

1. Identification of the substance/mixture and of the company/undertaking

Product name	42R 1K Quickprime VS2 (Aerosol, Off-White)
Product code	42R
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>May be harmful if swallowed. May cause genetic defects. May cause cancer. May be harmful if swallowed and enters airways. Toxic to aquatic life. Harmful to aquatic life with long lasting effects. Causes damage to organs. May cause damage to organs through prolonged or repeated exposure. May cause an allergic skin reaction. Causes serious eye damage.</p>
Precautionary statements	<p>Obtain special instructions before use. IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Do NOT induce vomiting. Avoid release to the environment.</p>

Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
 Wear protective gloves/protective clothing/eye protection/face protection.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Other hazards which do not result in classification

Contains epoxy constituents. See information supplied by the manufacturer. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
67-64-1	acetone	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
115-10-6	dimethyl ether	10 - 20%	✓	
106-97-8	Butane (< 0,1% 1,3-butadiene)	5 - 10%	✓	
71-36-3	n-butanol	5 - 10%	✓	
74-98-6	propane	5 - 10%	✓	
71-23-8	propan-1-ol	3 - 5%	✓	
13463-67-7	Titanium dioxide	3 - 5%		
1330-20-7	xylene	3 - 5%	✓	
25068-38-6	epoxy resin (number average molecular weight 700 <= 1200)	1 - 3%	✓	
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	1 - 3%		
108-65-6	2-methoxy-1-methylethyl acetate	1 - 3%	✓	
7779-90-0	trizinc bis(orthophosphate)	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
21645-51-2	aluminium hydroxide	0.1 - 0.3%		
7631-86-9	amorphous Silica	0.1 - 0.3%		
7664-38-2	phosphoric acid	0.1 - 0.3%	✓	

Non-regulated ingredients 5 - 10%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
acetone	TWA	500 ppm
	STEL	1,000 ppm
	STEL	2,375 mg/m ³
	TWA	1,185 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
dimethyl ether	TWA	400 ppm
	STEL	500 ppm
	STEL	958 mg/m ³
	TWA	766 mg/m ³
Butane (< 0,1% 1,3-butadiene)	TWA	800 ppm
	TWA	1,900 mg/m ³
n-butanol	CEIL	150 mg/m ³
	CEIL	50 ppm
propan-1-ol	TWA	200 ppm
	STEL	250 ppm

 Chemical Name

	STEL	614 mg/m3
	TWA	492 mg/m3
Titanium dioxide	TWA	10 mg/m3
xylene	TWA	50 ppm
	TWA	217 mg/m3
Talc (Mg3H2(SiO3)4)	TWA	2 mg/m3
trizinc bis(orthophosphate)	TWA	10 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
aluminium hydroxide	TWA	2 mg/m3
amorphous Silica	TWA	10 mg/m3
phosphoric acid	TWA	1 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
n-butanol	Viton (R) ®	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min
propan-1-ol	Viton (R) ®	0.7 mm	480 min
	Nitrile rubber	0.33 mm	481 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : aerosol Colour: grey Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	Not applicable.	
Flash point	-1 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	18.6 %	
Lower explosion limit	1.2 %	
Vapour pressure	3,400.0 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.83 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	235 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 1.8 %

Skin corrosion/irritation

Not classified according to GHS criteria

Serious eye damage/eye irritation

acetone	Category 2A
n-butanol	Category 1
propan-1-ol	Category 1
xylene	Category 2A
epoxy resin (number average molecular weight 700 <= 1200)	Category 2A
2-methoxy-1-methylethyl acetate	Category 2A
ethylbenzene	Category 2B
phosphoric acid	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

epoxy resin (number average molecular weight 700 <= 1200) Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be a skin sensitiser and an irritant. Low molecular epoxy constituents are irritating to eyes, mucous membranes and skin. Repeated skin contact may lead to irritation and to sensitization, possibly with cross-sensitization to other epoxies. Avoid skin and eye contact. Avoid inhalation of vapour or mist.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
Titanium dioxide	Category 3
xylene	Category 3
trizinc bis(orthophosphate)	Category 1
ethylbenzene	Category 2
aluminium hydroxide	Category 1
phosphoric acid	Category 3

Chronic aquatic toxicity

trizinc bis(orthophosphate)	Category 1
aluminium hydroxide	Category 1

% of unknown composition 7.8%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations**14. Transport information****NZS5433**

Proper shipping name: AEROSOLS

UN number: 1950

Hazard Class: 2.1

Packing group:

Hazchem Code:

IMDG (Sea transport)

Proper shipping name: AEROSOLS

UN number: 1950

Hazard Class: 2.1

Subsidiary Hazard Class: Not applicable.

Packing group:

Marine Pollutant: no

EmS: F-D,S-U

ICAO/IATA (Air transport)

Proper shipping name: AEROSOLS, flammable

UN number: 1950

Hazard Class: 2.1

Subsidiary Hazard Class: Not applicable.

Packing group:

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002520
HSNO Classification	
Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-11-17
B12752642	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.



End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	44R 1K Quickprime VS4 (Aerosol, Medium Grey)
Product code	44R
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Extremely flammable aerosol. Pressurized container: May burst if heated. May be harmful if swallowed. May be harmful if swallowed and enters airways. May cause an allergic skin reaction. Causes serious eye damage. May cause genetic defects. May cause cancer. Causes damage to organs. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life. Harmful to aquatic life with long lasting effects.</p>
Precautionary statements	<p>Obtain special instructions before use. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.</p>

Do not spray on an open flame or other ignition source.
 Pressurized container: Do not pierce or burn, even after use.
 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
 Avoid release to the environment.
 Wear protective gloves/protective clothing/eye protection/face protection.
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 Do NOT induce vomiting.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.

Other hazards which do not result in classification

Contains epoxy constituents. See information supplied by the manufacturer. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
67-64-1	acetone	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
115-10-6	dimethyl ether	10 - 20%	✓	
106-97-8	Butane (< 0,1% 1,3-butadiene)	5 - 10%	✓	
71-36-3	n-butanol	5 - 10%	✓	
74-98-6	propane	5 - 10%	✓	
71-23-8	propan-1-ol	3 - 5%	✓	
13463-67-7	Titanium dioxide	3 - 5%		
1330-20-7	xylene	3 - 5%	✓	
25068-38-6	epoxy resin (number average molecular weight 700 <= 1200)	1 - 3%	✓	
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	1 - 3%		
108-65-6	2-methoxy-1-methylethyl acetate	1 - 3%	✓	
7779-90-0	trizinc bis(orthophosphate)	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
21645-51-2	aluminium hydroxide	0.1 - 0.3%		
7631-86-9	amorphous Silica	0.1 - 0.3%		
7664-38-2	phosphoric acid	0.1 - 0.3%	✓	

Non-regulated ingredients 5 - 10%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
acetone	TWA	500 ppm
	STEL	1,000 ppm
	STEL	2,375 mg/m ³
	TWA	1,185 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
dimethyl ether	TWA	400 ppm
	STEL	500 ppm
	STEL	958 mg/m ³
	TWA	766 mg/m ³
Butane (< 0,1% 1,3-butadiene)	TWA	800 ppm
	TWA	1,900 mg/m ³
n-butanol	CEIL	150 mg/m ³

Chemical Name		
	CEIL	50 ppm
propan-1-ol	TWA	200 ppm
	STEL	250 ppm
	STEL	614 mg/m3
	TWA	492 mg/m3
Titanium dioxide	TWA	10 mg/m3
xylene	TWA	50 ppm
	TWA	217 mg/m3
Talc (Mg3H2(SiO3)4)	TWA	2 mg/m3
trizinc bis(orthophosphate)	TWA	10 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
aluminium hydroxide	TWA	2 mg/m3
amorphous Silica	TWA	10 mg/m3
phosphoric acid	TWA	1 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
n-butanol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min
propan-1-ol	Viton (R) [®]	0.7 mm	480 min

Chemical Name	Glove material	Glove thickness	Break through time
	Nitrile rubber	0.33 mm	481 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : aerosol Colour: grey Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	Not applicable.	
Flash point	-1 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	18.6 %	
Lower explosion limit	1.2 %	
Vapour pressure	3,400.0 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.82 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	235 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 1.8 %

Skin corrosion/irritation

Not classified according to GHS criteria

Serious eye damage/eye irritation

acetone	Category 2A
n-butanol	Category 1
propan-1-ol	Category 1
xylene	Category 2A
epoxy resin (number average molecular weight 700 <= 1200)	Category 2A
2-methoxy-1-methylethyl acetate	Category 2A
ethylbenzene	Category 2B
phosphoric acid	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

epoxy resin (number average molecular weight 700 <= 1200) Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be a skin sensitizer and an irritant. Low molecular epoxy constituents are irritating to eyes, mucous membranes and skin. Repeated skin contact may lead to irritation and to sensitization, possibly with cross-sensitization to other epoxies. Avoid skin and eye contact. Avoid inhalation of vapour or mist.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
Titanium dioxide	Category 3
xylene	Category 3
trizinc bis(orthophosphate)	Category 1
ethylbenzene	Category 2
aluminium hydroxide	Category 1
phosphoric acid	Category 3

Chronic aquatic toxicity

trizinc bis(orthophosphate)	Category 1
aluminium hydroxide	Category 1

% of unknown composition 7.8%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

14. Transport information

NZS5433

Proper shipping name: AEROSOLS

UN number: 1950

Hazard Class: 2.1

Packing group:

Hazchem Code:

IMDG (Sea transport)

Proper shipping name: AEROSOLS

UN number: 1950

Hazard Class: 2.1

Subsidiary Hazard Class: Not applicable.

Packing group:

Marine Pollutant: no

EmS: F-D,S-U

ICAO/IATA (Air transport)

Proper shipping name: AEROSOLS, flammable

UN number: 1950

Hazard Class: 2.1

Subsidiary Hazard Class: Not applicable.

Packing group:

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002520
HSNO Classification	
Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
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1.0	
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Version	Changes
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Revision Date:	2014-12-05
	B12360805

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	46R 1K Quickprime VS6 (Aerosol, Dark Grey)
Product code	46R
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>May be harmful if swallowed. May cause genetic defects. May cause cancer. May be harmful if swallowed and enters airways. Toxic to aquatic life. Harmful to aquatic life with long lasting effects. Causes damage to organs. May cause damage to organs through prolonged or repeated exposure. May cause an allergic skin reaction. Causes serious eye damage.</p>
Precautionary statements	<p>Obtain special instructions before use. IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Do NOT induce vomiting. Avoid release to the environment.</p>

Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
 Wear protective gloves/protective clothing/eye protection/face protection.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Other hazards which do not result in classification

Contains epoxy constituents. See information supplied by the manufacturer. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
67-64-1	acetone	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
115-10-6	dimethyl ether	10 - 20%	✓	
106-97-8	Butane (< 0,1% 1,3-butadiene)	5 - 10%	✓	
71-36-3	n-butanol	5 - 10%	✓	
74-98-6	propane	5 - 10%	✓	
71-23-8	propan-1-ol	3 - 5%	✓	
13463-67-7	Titanium dioxide	3 - 5%		
1330-20-7	xylene	3 - 5%	✓	
25068-38-6	epoxy resin (number average molecular weight 700 <= 1200)	1 - 3%	✓	
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	1 - 3%		
108-65-6	2-methoxy-1-methylethyl acetate	1 - 3%	✓	
7779-90-0	trizinc bis(orthophosphate)	1 - 3%	✓	
1333-86-4	carbon black	0.3 - 1.0%		
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
21645-51-2	aluminium hydroxide	0.1 - 0.3%		
7631-86-9	amorphous Silica	0.1 - 0.3%		
7664-38-2	phosphoric acid	0.1 - 0.3%	✓	

Non-regulated ingredients 5 - 10%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
acetone	TWA	500 ppm
	STEL	1,000 ppm
	STEL	2,375 mg/m ³
	TWA	1,185 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
dimethyl ether	TWA	400 ppm
	STEL	500 ppm
	STEL	958 mg/m ³
	TWA	766 mg/m ³
Butane (< 0,1% 1,3-butadiene)	TWA	800 ppm
	TWA	1,900 mg/m ³
n-butanol	CEIL	150 mg/m ³

Chemical Name		
	CEIL	50 ppm
propan-1-ol	TWA	200 ppm
	STEL	250 ppm
	STEL	614 mg/m3
	TWA	492 mg/m3
Titanium dioxide	TWA	10 mg/m3
xylene	TWA	50 ppm
	TWA	217 mg/m3
Talc (Mg3H2(SiO3)4)	TWA	2 mg/m3
trizinc bis(orthophosphate)	TWA	10 mg/m3
carbon black	TWA	3 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
aluminium hydroxide	TWA	2 mg/m3
amorphous Silica	TWA	10 mg/m3
phosphoric acid	TWA	1 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
n-butanol	Viton (R) ®	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

Chemical Name	Glove material	Glove thickness	Break through time
propan-1-ol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	481 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : aerosol Colour: grey Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	Not applicable.	
Flash point	-1 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	18.6 %	
Lower explosion limit	1.2 %	
Vapour pressure	3,400.0 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.82 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	235 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 1.8 %

Skin corrosion/irritation

Not classified according to GHS criteria

Serious eye damage/eye irritation

acetone	Category 2A
n-butanol	Category 1
propan-1-ol	Category 1
xylene	Category 2A
epoxy resin (number average molecular weight 700 <= 1200)	Category 2A
2-methoxy-1-methylethyl acetate	Category 2A
ethylbenzene	Category 2B
phosphoric acid	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

epoxy resin (number average molecular weight 700 <= 1200) Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be a skin sensitiser and an irritant. Low molecular epoxy constituents are irritating to eyes, mucous membranes and skin. Repeated skin contact may lead to irritation and to sensitization, possibly with cross-sensitization to other epoxies. Avoid skin and eye contact. Avoid inhalation of vapour or mist.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
Titanium dioxide	Category 3
xylene	Category 3
trizinc bis(orthophosphate)	Category 1
ethylbenzene	Category 2
aluminium hydroxide	Category 1
phosphoric acid	Category 3

Chronic aquatic toxicity

trizinc bis(orthophosphate)	Category 1
aluminium hydroxide	Category 1

% of unknown composition 7.8%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations**14. Transport information****NZS5433**

Proper shipping name: AEROSOLS

UN number: 1950

Hazard Class: 2.1

Packing group:

Hazchem Code:

IMDG (Sea transport)

Proper shipping name: AEROSOLS

UN number: 1950

Hazard Class: 2.1

Subsidiary Hazard Class: Not applicable.

Packing group:

Marine Pollutant: no

EmS: F-D,S-U

ICAO/IATA (Air transport)

Proper shipping name: AEROSOLS, flammable

UN number: 1950

Hazard Class: 2.1

Subsidiary Hazard Class: Not applicable.

Packing group:

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002520
HSNO Classification	
Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C



16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-11-16
B12752656

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	120S Two-Coat Clear
Product code	120S
Intended use of the substance/preparation	
Coating for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate; methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate; n-butyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
95-63-6	1,2,4-trimethylbenzene	5 - 10%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	5 - 10%	✓	
1330-20-7	xylene	5 - 10%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	3 - 5%	✓	
108-67-8	mesitylene	1 - 3%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
No information available.	A mixture of: α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene); α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)	1 - 3%	✓	
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	0.3 - 1.0%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0.1 - 0.3%	✓	
141-32-2	n-butyl acrylate	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³
n-butyl acrylate	TWA	10 ppm

Chemical Name

TWA 52 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) ®	0.7 mm	30 min
	Nitrile rubber	0.33 mm	30 min
xylene	Viton (R) ®	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH

not applicable

Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	34 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	6.5 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.96 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
xylene	Category 2
mesitylene	Category 3
ethylbenzene	Category 3
n-butyl acrylate	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

A mixture of: α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene); α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene); bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate
n-butyl acrylate

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
xylene	Category 3
mesitylene	Category 2
ethylbenzene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
cumene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
n-butyl acrylate	Category 2

Chronic aquatic toxicity

1,2,4-trimethylbenzene
solvent naphtha (petroleum), light arom. (<0,1% benzene)
mesitylene

A mixture of: α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene); α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene);
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate
cumene
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name:	PAINT
UN number:	1263
Hazard Class:	3
Packing group:	III
Hazchem Code:	3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662
HSNO Classification
Skin corrosion/irritation Category 6.3A
Skin sensitisation Category 6.5B
Flammable liquids Category 3.1C
Acute aquatic toxicity Category 9.1C
Chronic aquatic toxicity Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-08
B11936893

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	120SX MS 2K Clear
Product code	120SX
Intended use of the substance/preparation	
Coating for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate; methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate; n-butyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
1330-20-7	xylene	10 - 20%	✓	
95-63-6	1,2,4-trimethylbenzene	5 - 10%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	5 - 10%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	3 - 5%	✓	
108-67-8	mesitylene	1 - 3%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
No information available.	A mixture of: α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene); α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)	1 - 3%	✓	
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	0.3 - 1.0%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0.1 - 0.3%	✓	
141-32-2	n-butyl acrylate	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³
n-butyl acrylate	TWA	10 ppm

Chemical Name

TWA 52 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH

not applicable

Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	23 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	6.6 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.96 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	30 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
mesitylene	Category 3
ethylbenzene	Category 3
n-butyl acrylate	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

A mixture of: α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene); α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene); bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate
n-butyl acrylate

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
ethylbenzene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
cumene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
n-butyl acrylate	Category 2

Chronic aquatic toxicity

1,2,4-trimethylbenzene
solvent naphtha (petroleum), light arom. (<0,1% benzene)
mesitylene

A mixture of: α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene); α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene);
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate
cumene
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name:	PAINT
UN number:	1263
Hazard Class:	3
Packing group:	III
Hazchem Code:	3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662
HSNO Classification
Skin corrosion/irritation Category 6.3A
Skin sensitisation Category 6.5B
Flammable liquids Category 3.1C
Acute aquatic toxicity Category 9.1C
Chronic aquatic toxicity Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-08
B11936833

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	125S Standard Activator
Product code	125S
Intended use of the substance/preparation	
Hardener for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling



Hazard symbols

Signal word

Danger

Hazard statements

Highly flammable liquid and vapour.
May be harmful if inhaled.
Causes skin irritation.
Causes serious eye irritation.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
Suspected of damaging fertility or the unborn child.
Harmful to aquatic life.

Precautionary statements

Avoid release to the environment.
In case of inadequate ventilation wear respiratory protection.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Obtain special instructions before use.
Wear protective gloves/protective clothing/eye protection/face protection.
Avoid breathing dust/ vapours/ spray.
If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.
IF exposed or concerned: Get medical advice/ attention.
If eye irritation persists: Get medical advice/ attention.
IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains isocyanates. See information supplied by the manufacturer. Contains: hexamethylene-di-isocyanate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS Hazardous	Haz-
28182-81-2	Hexamethylene diisocyanate, oligomers	30 - 40%	✓	
141-78-6	ethyl acetate	20 - 30%	✓	
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
822-06-0	hexamethylene-di-isocyanate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 0.0 - 0.1%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. Skin contact may cause skin sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts), concentrated (d : 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts), water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in non-sealed container. Once this stage is reached, close container and dispose according to local regulations (see section 13).

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
Hexamethylene diisocyanate, oligomers	STEL	0.07 mg/m ³
	TWA	0.02 mg/m ³
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
hexamethylene-di-isocyanate	STEL	543 mg/m ³
	TWA	434 mg/m ³
	STEL	0.07 mg/m ³
toluene	TWA	0.02 mg/m ³
	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. Air-fed protective respiratory equipment must be worn by spray operator even when good ventilation is provided.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

For spraying: air-fed respirator. For operations other than spraying: in well ventilated areas, air-fed respirators could be replaced by a combination of charcoal filter and particulate filter mask.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) ®	0.7 mm	480 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	77 °C
Flash point	7 °C DIN 53213/ISO 1523
Evapouration rate	Slower than Ether
Flammability	
Upper explosion limit	11 %
Lower explosion limit	1 %

Vapour pressure	24.6 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.96 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents and strongly acid or alkaline materials. Amines and alcohols cause exothermic reactions. Mixture reacts slowly with water resulting in evolution of CO₂. Evolution of CO₂ in closed containers causes overpressure and produces a risk of bursting.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen as well as hydrogen cyanide, amines, alcohols and water.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

Hexamethylene diisocyanate, oligomers	Category 4
xylene	Category 4
ethylbenzene	Category 4
hexamethylene-di-isocyanate	Category 1
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

ethyl acetate	Category 3
xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
hexamethylene-di-isocyanate	Category 1C
toluene	Category 2

Serious eye damage/eye irritation

ethyl acetate	Category 2A
xylene	Category 2A
ethylbenzene	Category 2B
hexamethylene-di-isocyanate	Category 1
toluene	Category 2B

Respiratory sensitisation

Hexamethylene diisocyanate, oligomers	Category 1
hexamethylene-di-isocyanate	Category 1

Skin sensitisation

Hexamethylene diisocyanate, oligomers	Category 1
hexamethylene-di-isocyanate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Based on the properties of the isocyanate components and considering toxicological data on similar products, the following applies: This formulation may cause acute irritation and/or sensitization of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbition, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Components of the product may be absorbed into the body through the skin.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
hexamethylene-di-isocyanate	Category 3
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene	Category 9.4C
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% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Packing group: II
 Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: II
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-08-24
	B11934504

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specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	131S Fill'n Sand (Grey)
Product code	131S
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Aspiration toxicity	Category 6.1E
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Highly flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.</p>
Precautionary statements	<p>Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.</p>

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Keep container tightly closed.
 Obtain special instructions before use.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Do NOT induce vomiting.
 Collect spillage.
 IF exposed or concerned: Get medical advice/ attention.
 If eye irritation persists: Get medical advice/ attention.
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	10 - 20%		
108-88-3	toluene	10 - 20%	✓	
7727-43-7	barium sulphate, natural	5 - 10%		
141-78-6	ethyl acetate	5 - 10%	✓	
67-63-0	propan-2-ol	5 - 10%	✓	
13463-67-7	Titanium dioxide	5 - 10%		
1330-20-7	xylene	5 - 10%	✓	
7779-90-0	trizinc bis(orthophosphate)	5 - 10%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
27138-31-4	Oxydipropyl dibenzoate	1 - 3%	✓	
21645-51-2	aluminium hydroxide	0.3 - 1.0%		
7631-86-9	amorphous Silica	0.3 - 1.0%		
1333-86-4	carbon black	0.3 - 1.0%		
108-65-6	2-methoxy-1-methylethyl acetate	0.3 - 1.0%	✓	
51274-00-1	Light yellow lemon yellow oxide pigment	0.1 - 0.3%		
1314-13-2	zinc oxide	0.1 - 0.3%	✓	

Non-regulated ingredients 10 - 20%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	TWA	2 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³
barium sulphate, natural	TWA	10 mg/m ³
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m ³
propan-2-ol	TWA	400 ppm
	STEL	500 ppm
	STEL	1,230 mg/m ³
	TWA	983 mg/m ³
Titanium dioxide	TWA	10 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
trizinc bis(orthophosphate)	TWA	10 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
aluminium hydroxide	TWA	2 mg/m ³
amorphous Silica	TWA	10 mg/m ³
carbon black	TWA	3 mg/m ³
Light yellow lemon yellow oxide pigment	TWA	1 mg/m ³

 Chemical Name

zinc oxide	STEL	10 mg/m3
	TWA	5 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) ®	0.7 mm	480 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: grey Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.

Boiling point	77 °C	
Flash point	4 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	12 %	
Lower explosion limit	1 %	
Vapour pressure	16.4 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.33 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	399 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

The product contains ingredients which, under certain conditions, also may release formaldehyde. If necessary, the precise concentration has to be determined. When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

toluene	Category 2
ethyl acetate	Category 3
propan-2-ol	Category 3
xylene	Category 2
ethylbenzene	Category 3

Serious eye damage/eye irritation

toluene	Category 2B
ethyl acetate	Category 2A
propan-2-ol	Category 2A
xylene	Category 2A
ethylbenzene	Category 2B
2-methoxy-1-methylethyl acetate	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene	Category 2
Oxydipropyl dibenzoate	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

- **Skin Absorption**

- Body weight effects** ethyl acetate

Aspiration toxicity

toluene	Category 1
Titanium dioxide	Category 3
xylene	Category 2
ethylbenzene	Category 2

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

toluene	Category 2
Titanium dioxide	Category 3
xylene	Category 3
trizinc bis(orthophosphate)	Category 1
ethylbenzene	Category 2
Oxydipropyl dibenzoate	Category 2
aluminium hydroxide	Category 1
zinc oxide	Category 1

Chronic aquatic toxicity

trizinc bis(orthophosphate)	Category 1
Oxydipropyl dibenzoate	Category 2
aluminium hydroxide	Category 1
zinc oxide	Category 1

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Packing group: II
 Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: II
 Marine Pollutant: yes [trizinc bis(orthophosphate)]
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Aspiration toxicity	Category 6.1E
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

16. Other information

Revision Note

Version	Changes
2.0	3, 8

Revision Date: 2015-01-08
 B12957785

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	131SR Fill'n Sand (Gray)
Product code	131SR
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Highly flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.</p>
Precautionary statements	<p>Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed.</p>

Obtain special instructions before use.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Collect spillage.
 IF exposed or concerned: Get medical advice/ attention.
 If eye irritation persists: Get medical advice/ attention.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	10 - 20%		
108-88-3	toluene	10 - 20%	✓	
7727-43-7	barium sulphate, natural	5 - 10%		
141-78-6	ethyl acetate	5 - 10%	✓	
67-63-0	propan-2-ol	5 - 10%	✓	
13463-67-7	Titanium dioxide	5 - 10%		
1330-20-7	xylene	5 - 10%	✓	
7779-90-0	trizinc bis(orthophosphate)	5 - 10%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
27138-31-4	Oxydipropyl dibenzoate	1 - 3%	✓	
21645-51-2	aluminium hydroxide	0.3 - 1.0%		
7631-86-9	amorphous Silica	0.3 - 1.0%		
108-65-6	2-methoxy-1-methylethyl acetate	0.3 - 1.0%	✓	
1333-86-4	carbon black	0.1 - 0.3%		
51274-00-1	Light yellow lemon yellow oxide pigment	0.1 - 0.3%		
1314-13-2	zinc oxide	0.1 - 0.3%	✓	

Non-regulated ingredients 10 - 20%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	TWA	2 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³
barium sulphate, natural	TWA	10 mg/m ³
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m ³
propan-2-ol	TWA	400 ppm
	STEL	500 ppm
	STEL	1,230 mg/m ³
	TWA	983 mg/m ³
Titanium dioxide	TWA	10 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
trizinc bis(orthophosphate)	TWA	10 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
aluminium hydroxide	TWA	2 mg/m ³
amorphous Silica	TWA	10 mg/m ³
carbon black	TWA	3 mg/m ³
Light yellow lemon yellow oxide pigment	TWA	1 mg/m ³
zinc oxide	STEL	10 mg/m ³

Chemical Name

TWA 5 mg/m³**Engineering measures**

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) [®]	0.7 mm	480 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: grey Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	77 °C
Flash point	10 °C

Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	12 %	
Lower explosion limit	1 %	
Vapour pressure	16.6 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.33 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	399 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

The product contains ingredients which, under certain conditions, also may release formaldehyde. If necessary, the precise concentration has to be determined. When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

toluene	Category 2
ethyl acetate	Category 3
propan-2-ol	Category 3
xylene	Category 2
ethylbenzene	Category 3

Serious eye damage/eye irritation

toluene	Category 2B
ethyl acetate	Category 2A
propan-2-ol	Category 2A
xylene	Category 2A
ethylbenzene	Category 2B
2-methoxy-1-methylethyl acetate	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene	Category 2
Oxydipropyl dibenzoate	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

- **Skin Absorption**

Body weight effects ethyl acetate

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

toluene	Category 2
Titanium dioxide	Category 3
xylene	Category 3
trizinc bis(orthophosphate)	Category 1
ethylbenzene	Category 2
Oxydipropyl dibenzoate	Category 2
aluminium hydroxide	Category 1
zinc oxide	Category 1

Chronic aquatic toxicity

trizinc bis(orthophosphate)	Category 1
Oxydipropyl dibenzoate	Category 2
aluminium hydroxide	Category 1
zinc oxide	Category 1

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.
 Packing group: II
 Marine Pollutant: yes [trizinc bis(orthophosphate)]
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

16. Other information

Revision Note

Version	Changes
2.0	3, 8

Revision Date: 2015-01-08
 B12734186

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	193S Imron® Activator
Product code	193S
Intended use of the substance/preparation	
Hardener for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. Causes mild skin irritation. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
Precautionary statements	In case of inadequate ventilation wear respiratory protection. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician. If eye irritation persists: Get medical advice/ attention. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains isocyanates. See information supplied by the manufacturer.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
28182-81-2	Hexamethylene diisocyanate, oligomers	70 - 80%	✓	
141-78-6	ethyl acetate	10 - 20%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
112-07-2	2-butoxyethyl acetate	3 - 5%	✓	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. Skin contact may cause skin sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts), concentrated (d : 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts), water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in non-sealed container. Once this stage is reached, close container and dispose according to local regulations (see section 13).

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits Workplace Exposure Standards (WESs) 2002

Chemical Name		
Hexamethylene diisocyanate, oligomers	STEL	0.07 mg/m ³
	TWA	0.02 mg/m ³
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³

Engineering measures

Provide adequate ventilation. Air-fed protective respiratory equipment must be worn by spray operator even when good ventilation is provided.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

For spraying: air-fed respirator. For operations other than spraying: in well ventilated areas, air-fed respirators could be replaced by a combination of charcoal filter and particulate filter mask.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R)®	0.7 mm	480 min
n-butyl acetate	Viton (R)®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	77 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	11 %	
Lower explosion limit	1.2 %	
Vapour pressure	14.5 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.09 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	375 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents and strongly acid or alkaline materials. Amines and alcohols cause exothermic reactions. Mixture reacts slowly with water resulting in evolution of CO₂. Evolution of CO₂ in closed containers causes overpressure and produces a risk of bursting.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen as well as hydrogen cyanide, amines, alcohols and water.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to

isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

ethyl acetate	Category 3
n-butyl acetate	Category 3

Serious eye damage/eye irritation

ethyl acetate	Category 2A
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Respiratory sensitisation

Hexamethylene diisocyanate, oligomers	Category 1
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Skin sensitisation

Hexamethylene diisocyanate, oligomers	Category 1
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Germ cell mutagenicity

not hazardous

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

not hazardous

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Based on the properties of the isocyanate components and considering toxicological data on similar products, the following applies: This formulation may cause acute irritation and/or sensitization of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbition, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Components of the product may be absorbed into the body through the skin.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3



Subsidiary Hazard Class: Not applicable.
Packing group: II
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1B

16. Other information

Revision Note

Version	Changes
1.1	9

Revision Date: 2015-01-09
B12874795

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	222S Mid-Coat Adhesion Promoter
Product code	222S
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. Causes skin irritation. Causes serious eye damage. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed.

Obtain special instructions before use.
Wear protective gloves/protective clothing/eye protection/face protection.
Collect spillage.
IF exposed or concerned: Get medical advice/ attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/ physician.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
108-88-3	toluene	30 - 40%	✓	
67-64-1	acetone	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
142-82-5	heptane (mixture of isomers)	5 - 10%	✓	
71-36-3	n-butanol	5 - 10%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
1119-40-0	Dimethyl glutarate	1 - 3%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
67-63-0	propan-2-ol	1 - 3%	✓	
108-87-2	methylcyclohexane	0.1 - 0.3%	✓	

Non-regulated ingredients 5 - 10%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection**National occupational exposure limits****Workplace Exposure Standards (WESs) 2002**

Chemical Name		
toluene	TWA	50 ppm
acetone	TWA	188 mg/m ³
	TWA	500 ppm
	STEL	1,000 ppm
	STEL	2,375 mg/m ³
	TWA	1,185 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m ³
	TWA	1,640 mg/m ³
n-butanol	CEIL	150 mg/m ³
	CEIL	50 ppm
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
ethyl acetate	TWA	434 mg/m ³
	TWA	200 ppm
propan-2-ol	TWA	720 mg/m ³
	TWA	400 ppm
	STEL	500 ppm
methylcyclohexane	STEL	1,230 mg/m ³
	TWA	983 mg/m ³
	TWA	400 ppm
	TWA	1,610 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butanol	Viton (R) ®	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) ®	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	No data available.
Freezing point	Not applicable.
Boiling point	92 °C
Flash point	-12 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	12.8 %
Lower explosion limit	1 %

Vapour pressure	63.7 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.85 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	215 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

toluene	Category 2
acetone	Category 3
xylene	Category 2
heptane (mixture of isomers)	Category 2
n-butanol	Category 2
ethylbenzene	Category 3
ethyl acetate	Category 3
propan-2-ol	Category 3
methylcyclohexane	Category 2

Serious eye damage/eye irritation

toluene	Category 2B
acetone	Category 2A
xylene	Category 2A
heptane (mixture of isomers)	Category 2A
n-butanol	Category 1
ethylbenzene	Category 2B
Dimethyl glutarate	Category 2B
ethyl acetate	Category 2A
propan-2-ol	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

- **Skin Absorption**

Body weight effects ethyl acetate

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged

contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

toluene	Category 2
xylene	Category 3
heptane (mixture of isomers)	Category 1
ethylbenzene	Category 2
Dimethyl glutarate	Category 3
methylcyclohexane	Category 2

Chronic aquatic toxicity

heptane (mixture of isomers)	Category 1
methylcyclohexane	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: II
 Marine Pollutant: yes [heptane (mixture of isomers)]
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
B12689700	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	230S Metalok
Product code	230S
Intended use of the substance/preparation	
Cleaning agent for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute oral toxicity	Category 6.1D
Skin corrosion/irritation	Category 8.2B
Serious eye damage/eye irritation	Category 8.3A

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. Harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage.
Precautionary statements	Do not breathe dust or mist. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
919-30-2	3-aminopropyltriethoxysilane	50 - 60%	✓	
67-63-0	propan-2-ol	40 - 50%	✓	
64-17-5	ethanol	0.1 - 0.3%	✓	

Non-regulated ingredients 0.0 - 0.1%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of Previn® or water.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Do not store mixtures in metal containers because of the possibility of pressure build-up. Use glass or plastic as appropriate.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
propan-2-ol	TWA	400 ppm
	STEL	500 ppm
	STEL	1,230 mg/m ³
	TWA	983 mg/m ³

Chemical Name		
ethanol	TWA	1,000 ppm
	TWA	1,880 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Glove material	Glove thickness	Break through time
Nitrile rubber	0.33 mm	60 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	No data available.
Freezing point	Not applicable.
Boiling point	83 °C
Flash point	10 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	12 %
Lower explosion limit	2 %
Vapour pressure	21.7 hPa

Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.86 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	399 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

3-aminopropyltriethoxysilane Category 4

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

3-aminopropyltriethoxysilane Category 1B
propan-2-ol Category 3

Serious eye damage/eye irritation

3-aminopropyltriethoxysilane	Category 1
propan-2-ol	Category 2A
ethanol	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

not hazardous

Germ cell mutagenicity

not hazardous

Carcinogenicity

not hazardous

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

not hazardous

Aspiration toxicity

not hazardous

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbition, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity**Chronic aquatic toxicity**

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE

UN number: 3469

Hazard Class: 3

Packing group: II

Hazchem Code: 3WE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE

UN number: 3469

Hazard Class: 3

Subsidiary Hazard Class: 8

Packing group: II

Marine Pollutant: no

EmS: F-E,S-C

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE

UN number: 3469

Hazard Class: 3

Subsidiary Hazard Class: 8

Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002663
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute oral toxicity	Category 6.1D
Skin corrosion/irritation	Category 8.2B
Serious eye damage/eye irritation	Category 8.3A
Flammable liquids	Category 3.1B



16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B12770845

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	250S HS Activator
Product code	250S
Intended use of the substance/preparation	Hardener for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3A
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Flammable liquid and vapour. Causes skin irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.</p>
Precautionary statements	<p>Avoid release to the environment. In case of inadequate ventilation wear respiratory protection. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.</p>

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains isocyanates. See information supplied by the manufacturer.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
28182-81-2	Hexamethylene diisocyanate, oligomers	40 - 50%	✓	
123-86-4	n-butyl acetate	20 - 30%	✓	
1330-20-7	xylene	10 - 20%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	3 - 5%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing,

cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. Skin contact may cause skin sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts), concentrated (d : 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts), water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in non-sealed container. Once this stage is reached, close container and dispose according to local regulations (see section 13).

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
Hexamethylene diisocyanate, oligomers	STEL	0.07 mg/m ³
	TWA	0.02 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
xylene	TWA	713 mg/m ³
	TWA	50 ppm
ethylbenzene	TWA	217 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
1,2,4-trimethylbenzene	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	25 ppm
mesitylene	TWA	123 mg/m ³
	TWA	25 ppm
cumene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
cumene	TWA	125 mg/m ³

Engineering measures

Provide adequate ventilation. Air-fed protective respiratory equipment must be worn by spray operator even when good ventilation is provided.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

For spraying: air-fed respirator. For operations other than spraying: in well ventilated areas, air-fed respirators could be replaced by a combination of charcoal filter and particulate filter mask.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	104 °C
Flash point	27 °C DIN 53213/ISO 1523
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	10.3 %
Lower explosion limit	1 %
Vapour pressure	6.3 hPa

Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.99 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents and strongly acid or alkaline materials. Amines and alcohols cause exothermic reactions. Mixture reacts slowly with water resulting in evolution of CO₂. Evolution of CO₂ in closed containers causes overpressure and produces a risk of bursting.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen as well as hydrogen cyanide, amines, alcohols and water.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
ethylbenzene	Category 3
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 3

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Hexamethylene diisocyanate, oligomers Category 1

Skin sensitisation

Hexamethylene diisocyanate, oligomers Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Based on the properties of the isocyanate components and considering toxicological data on similar products, the following applies: This formulation may cause acute irritation and/or sensitization of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Components of the product may be absorbed into the body through the skin.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
xylene	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
ethylbenzene	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

**ICAO/IATA (Air transport)**

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662
HSNO Classification
Skin corrosion/irritation Category 6.3A
Respiratory sensitisation Category 6.5A
Skin sensitisation Category 6.5B
Flammable liquids Category 3.1C
Acute aquatic toxicity Category 9.1C
Chronic aquatic toxicity Category 9.1C

16. Other information

Revision Note

Version	Changes
2.1	9

Revision Date: 2015-01-29
B11971730

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	255MS Universal Activator (Fast)
Product code	255MS
Intended use of the substance/preparation	
Hardener for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1D
Skin corrosion/irritation	Category 6.3A
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Flammable liquid and vapour. Harmful if inhaled. Causes skin irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.</p>

Precautionary statements	<p>Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. In case of inadequate ventilation wear respiratory protection. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician. IF exposed or concerned: Get medical advice/ attention. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep cool.</p>
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Other hazards which do not result in classification

Contains isocyanates. See information supplied by the manufacturer. Contains: methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
28182-81-2	Hexamethylene diisocyanate, oligomers	30 - 40%	✓	
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
53880-05-0	3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers	5 - 10%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	3 - 5%	✓	
108-88-3	toluene	3 - 5%	✓	
104-76-7	2-ethylhexan-1-ol	1 - 3%	✓	
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0.3 - 1.0%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. Skin contact may cause skin sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts), concentrated (d : 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts), water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in non-sealed container. Once this stage is reached, close container and dispose according to local regulations (see section 13).

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
Hexamethylene diisocyanate, oligomers	STEL	0.07 mg/m ³
	TWA	0.02 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
toluene	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	50 ppm

Chemical Name		
	TWA	188 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³

Engineering measures

Provide adequate ventilation. Air-fed protective respiratory equipment must be worn by spray operator even when good ventilation is provided.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

For spraying: air-fed respirator. For operations other than spraying: in well ventilated areas, air-fed respirators could be replaced by a combination of charcoal filter and particulate filter mask.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: transparent Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	104 °C	
Flash point	24 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	6.4 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.97 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	270 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents and strongly acid or alkaline materials. Amines and alcohols cause exothermic reactions. Mixture reacts slowly with water resulting in evolution of CO₂. Evolution of CO₂ in closed containers causes overpressure and produces a risk of bursting.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen as well as hydrogen cyanide, amines, alcohols and water.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to

isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

Hexamethylene diisocyanate, oligomers	Category 4
xylene	Category 4
ethylbenzene	Category 4
toluene	Category 5
2-ethylhexan-1-ol	Category 2
1,2,4-trimethylbenzene	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
toluene	Category 2
2-ethylhexan-1-ol	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 3

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Hexamethylene diisocyanate, oligomers	Category 1
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Skin sensitisation

Hexamethylene diisocyanate, oligomers	Category 1
3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers	Category 1
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

- **Skin Absorption**

Central nervous system 1,2,4-trimethylbenzene

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Based on the properties of the isocyanate components and considering toxicological data on similar products, the following applies: This formulation may cause acute irritation and/or sensitization of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbition, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Components of the product may be absorbed into the body through the skin.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
toluene	Category 2
2-ethylhexan-1-ol	Category 3
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
cumene	Category 2

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2



methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate
cumene

Category 1
Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Packing group: III
Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1D
Skin corrosion/irritation	Category 6.3A
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.1	9

Revision Date: 2015-01-29
B12898234

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	256S Activator (Fast)
Product code	256S
Intended use of the substance/preparation	
Hardener for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling



Hazard symbols

Signal word

Danger

Hazard statements

Flammable liquid and vapour.
May be harmful if inhaled.
Causes skin irritation.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
Suspected of damaging fertility or the unborn child.
Harmful to aquatic life.
Harmful to aquatic life with long lasting effects.

Precautionary statements

Avoid release to the environment.
In case of inadequate ventilation wear respiratory protection.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Obtain special instructions before use.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Avoid breathing dust/ vapours/ spray.
 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.
 IF exposed or concerned: Get medical advice/ attention.
 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains isocyanates. See information supplied by the manufacturer.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
28182-81-2	Hexamethylene diisocyanate, oligomers	30 - 40%	✓	
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
53880-05-0	3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers	5 - 10%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	3 - 5%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. Skin contact may cause skin sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts), concentrated (d : 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts), water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in non-sealed container. Once this stage is reached, close container and dispose according to local regulations (see section 13).

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
Hexamethylene diisocyanate, oligomers	STEL	0.07 mg/m ³
	TWA	0.02 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
1,2,4-trimethylbenzene	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	25 ppm
mesitylene	TWA	123 mg/m ³
	TWA	25 ppm
	TWA	25 ppm
cumene	TWA	123 mg/m ³
	TWA	123 mg/m ³
	TWA	25 ppm

 Chemical Name

	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. Air-fed protective respiratory equipment must be worn by spray operator even when good ventilation is provided.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

For spraying: air-fed respirator. For operations other than spraying: in well ventilated areas, air-fed respirators could be replaced by a combination of charcoal filter and particulate filter mask.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	104 °C	
Flash point	36 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.9 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.99 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents and strongly acid or alkaline materials. Amines and alcohols cause exothermic reactions. Mixture reacts slowly with water resulting in evolution of CO₂. Evolution of CO₂ in closed containers causes overpressure and produces a risk of bursting.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen as well as hydrogen cyanide, amines, alcohols and water.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

Hexamethylene diisocyanate, oligomers	Category 4
xylene	Category 4
ethylbenzene	Category 4
1,2,4-trimethylbenzene	Category 4
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 3
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Hexamethylene diisocyanate, oligomers	Category 1
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Skin sensitisation

Hexamethylene diisocyanate, oligomers	Category 1
3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene	Category 2
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Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Based on the properties of the isocyanate components and considering toxicological data on similar products, the following applies: This formulation may cause acute irritation and/or sensitization of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbition, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Components of the product may be absorbed into the body through the skin.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2
toluene	Category 2

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2

Ecotoxic to terrestrial invertebrates

xylene	Category 9.4C
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% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note



Version	Changes
2.1	9

Revision Date: 2015-01-29
B11938418

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	359S Imron® Additive H/S
Product code	359S
Intended use of the substance/preparation	Intermediate
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Skin corrosion/irritation	Category 6.3B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. Causes mild skin irritation. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
123-86-4	n-butyl acetate	40 - 50%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	10 - 20%	✓	
95-63-6	1,2,4-trimethylbenzene	5 - 10%	✓	
108-67-8	mesitylene	1 - 3%	✓	
98-82-8	cumene	0.3 - 1.0%	✓	
1330-20-7	xylene	0.3 - 1.0%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm

 Chemical Name

	TWA	123 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
cumene	TWA	123 mg/m ³
	TWA	123 mg/m ³
	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
xylene	TWA	125 mg/m ³
	TWA	50 ppm
	TWA	217 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
	Nitrile rubber	0.33 mm	30 min
xylene	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	155 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1.2 %	
Vapour pressure	8.9 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.96 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity**Stability**

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 3
xylene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

not hazardous

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2
xylene	Category 3

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Packing group: II
Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662
HSNO Control A This product must be under the control of an approved handler during use.
HSNO Classification
Skin corrosion/irritation Category 6.3B
Flammable liquids Category 3.1B
Acute aquatic toxicity Category 9.1C
Chronic aquatic toxicity Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9
Revision Date:	2015-01-29
B12922167	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	380S Lucite® Acrylic 1K Clear
Product code	380S
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Highly flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.</p>
Precautionary statements	<p>Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed.</p>

Obtain special instructions before use.
 Wear protective gloves/protective clothing/eye protection/face protection.
 IF exposed or concerned: Get medical advice/ attention.
 If eye irritation persists: Get medical advice/ attention.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
67-64-1	acetone	20 - 30%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	10 - 20%	✓	
108-88-3	toluene	10 - 20%	✓	
27138-31-4	Oxydipropyl dibenzoate	5 - 10%	✓	
78-93-3	butanone	5 - 10%	✓	
67-63-0	propan-2-ol	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits Workplace Exposure Standards (WESs) 2002

Chemical Name		
acetone	TWA	500 ppm
	STEL	1,000 ppm
	STEL	2,375 mg/m ³
	TWA	1,185 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m ³
	TWA	445 mg/m ³
propan-2-ol	TWA	400 ppm
	STEL	500 ppm
	STEL	1,230 mg/m ³
	TWA	983 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
butanone	Viton (R) [®]	0.7 mm	10 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	78 °C	
Flash point	10 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	12.8 %	
Lower explosion limit	1 %	
Vapour pressure	68.7 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.94 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

acetone	Category 3
toluene	Category 2
butanone	Category 3
propan-2-ol	Category 3
xylene	Category 2
ethylbenzene	Category 3

Serious eye damage/eye irritation

acetone	Category 2A
2-methoxy-1-methylethyl acetate	Category 2A
toluene	Category 2B
butanone	Category 2A
propan-2-ol	Category 2A
xylene	Category 2A
ethylbenzene	Category 2B

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene	Category 2
Oxydipropyl dibenzoate	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

No data available.

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

toluene	Category 2
Oxydipropyl dibenzoate	Category 2
xylene	Category 3
ethylbenzene	Category 2

Chronic aquatic toxicity

Oxydipropyl dibenzoate	Category 2
------------------------	------------

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B12734169

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	389S Imron Accelerator
Product code	389S
Intended use of the substance/preparation	Intermediate
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute oral toxicity	Category 6.1D
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Germ cell mutagenicity	Category 6.6B
Toxicity for reproduction	Category 6.8A
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are ""not classified"", ""cannot classified"" and ""not applicable"" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Harmful in contact with skin. Suspected of causing genetic defects. Flammable liquid and vapour. Harmful to aquatic life. Harmful to aquatic life with long lasting effects. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure. May cause an allergic skin reaction.</p>

Causes mild skin irritation.
Causes serious eye irritation.
Toxic if swallowed or if inhaled

Precautionary statements

IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
Wash hands after handling.
Do not eat, drink or smoke when using this product.
Store locked up.
Dispose of contents/container in accordance with local regulations.
Specific treatment (see supplemental first aid instructions on this label).
Wear protective gloves/ protective clothing.
Avoid breathing dust/ vapours/ spray.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Store in a well-ventilated place. Keep container tightly closed.
Use only outdoors or in a well-ventilated area.
Obtain special instructions before use.
IF exposed or concerned: Get medical advice/ attention.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Wear protective gloves/ eye protection/ face protection.
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Store in a well-ventilated place. Keep cool.
Avoid release to the environment.
Contaminated work clothing should not be allowed out of the workplace.
If skin irritation or rash occurs: Get medical advice/ attention.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
123-54-6	pentane-2,4-dione	90 - 100%	✓	
77-58-7	dibutylbis((1-oxododecyl)oxy)stannane	0.3 - 1.0%	✓	

Non-regulated ingredients 0.0 - 0.1%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
dibutylbis((1-oxododecyl)oxy)stannane	STEL	0.2 mg/m ³
	TWA	0.1 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
pentane-2,4-dione	butyl-rubber	0.7 mm	480 m

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to

use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	29 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	11.6 %	
Lower explosion limit	1.7 %	
Vapour pressure	8.9 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.98 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	350 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

pentane-2,4-dione	Category 4
dibutylbis((1-oxododecyl)oxy)stannane	Category 2

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

pentane-2,4-dione	Category 3
dibutylbis((1-oxododecyl)oxy)stannane	Category 1B

Serious eye damage/eye irritation

pentane-2,4-dione	Category 2A
dibutylbis((1-oxododecyl)oxy)stannane	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

pentane-2,4-dione	Category 1
dibutylbis((1-oxododecyl)oxy)stannane	Category 1

Germ cell mutagenicity

pentane-2,4-dione	Category 2
dibutylbis((1-oxododecyl)oxy)stannane	Category 2

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

dibutylbis((1-oxododecyl)oxy)stannane Category 1A

Target Organ Systemic Toxicant - Single exposure• **Inhalation****Central nervous system** pentane-2,4-dione**Target Organ Systemic Toxicant - Repeated exposure**• **Skin Absorption****Central nervous system** pentane-2,4-dione**Aspiration toxicity**

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

pentane-2,4-dione	Category 3
dibutylbis((1-oxododecyl)oxy)stannane	Category 1

Chronic aquatic toxicity

pentane-2,4-dione	Category 3
dibutylbis((1-oxododecyl)oxy)stannane	Category 1

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: FLAMMABLE LIQUID, TOXIC, N.O.S.
(pentane-2,4-dione; dibutylbis((1-oxododecyl)oxy)stannane)

UN number: 1992
Hazard Class: 3
Packing group: III
Hazchem Code: 3W

IMDG (Sea transport)

Proper shipping name: FLAMMABLE LIQUID, TOXIC, N.O.S.
(pentane-2,4-dione; dibutylbis((1-oxododecyl)oxy)stannane)

UN number: 1992
Hazard Class: 3
Subsidiary Hazard Class: 6.1
Packing group: III
Marine Pollutant: no
EmS: F-E,S-D

ICAO/IATA (Air transport)

Proper shipping name: FLAMMABLE LIQUID, TOXIC, N.O.S.
(pentane-2,4-dione; dibutylbis((1-oxododecyl)oxy)stannane)

UN number: 1992
Hazard Class: 3
Subsidiary Hazard Class: 6.1
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Acute oral toxicity	Category 6.1D
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Germ cell mutagenicity	Category 6.6B
Toxicity for reproduction	Category 6.8A
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C



16. Other information

Revision Note

Version	Changes
1.1	2, 7, 8, 11

Revision Date: 2015-01-29
B10360367

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	421R Varispeed
Product code	421R
Intended use of the substance/preparation	
Thinner for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8A
Aspiration toxicity	Category 6.1E
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling



Hazard symbols

Signal word

Danger

Hazard statements

Flammable liquid and vapour.
May be harmful if inhaled.
Causes skin irritation.
May cause an allergic skin reaction.
May damage fertility or the unborn child.
May be fatal if swallowed and enters airways.
Harmful to aquatic life.
Harmful to aquatic life with long lasting effects.

Precautionary statements

Avoid release to the environment.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Obtain special instructions before use.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Avoid breathing dust/ vapours/ spray.
 Do NOT induce vomiting.
 IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: dibutylbis((1-oxododecyl)oxy)stannane. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	30 - 40%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	10 - 20%	✓	
763-69-9	ethyl 3-ethoxypropionate	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
95-63-6	1,2,4-trimethylbenzene	5 - 10%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
628-63-7	pentyl acetate	3 - 5%	✓	
108-67-8	mesitylene	1 - 3%	✓	
624-41-9	2-methylbutyl acetate	1 - 3%	✓	
98-82-8	cumene	0.3 - 1.0%	✓	
77-58-7	dibutylbis((1-oxododecyl)oxy)stannane	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
pentyl acetate	TWA	434 mg/m ³
	TWA	100 ppm
mesitylene	TWA	532 mg/m ³
	TWA	25 ppm
	TWA	25 ppm
cumene	TWA	123 mg/m ³
	TWA	123 mg/m ³
	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³

Chemical Name

	TWA	125 mg/m ³
dibutylbis((1-oxododecyl)oxy)stannane	STEL	0.2 mg/m ³
	TWA	0.1 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	30 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	8.6 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.89 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	360 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
1,2,4-trimethylbenzene	Category 4
ethylbenzene	Category 4
dibutylbis((1-oxododecyl)oxy)stannane	Category 2
toluene	Category 5

% of unknown composition 2.2 %

Skin corrosion/irritation

n-butyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
ethyl 3-ethoxypropionate	Category 3
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
pentyl acetate	Category 3
mesitylene	Category 3
2-methylbutyl acetate	Category 3
dibutylbis((1-oxododecyl)oxy)stannane	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

dibutylbis((1-oxododecyl)oxy)stannane	Category 1
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Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

dibutylbis((1-oxododecyl)oxy)stannane	Category 1A
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 1
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xylene	Category 2
1,2,4-trimethylbenzene	Category 1
ethylbenzene	Category 2
mesitylene	Category 1
cumene	Category 1
toluene	Category 1

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
ethyl 3-ethoxypropionate	Category 3
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2
dibutylbis((1-oxododecyl)oxy)stannane	Category 1
toluene	Category 2

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
pentyl acetate	Category 4
mesitylene	Category 2
cumene	Category 2
dibutylbis((1-oxododecyl)oxy)stannane	Category 1

% of unknown composition 2.2%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8A
Aspiration toxicity	Category 6.1E
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	2, 7, 8, 9, 11, 15



Version	Changes
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Revision Date:	2015-01-13
	B11934997

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	431R Varispeed Ultra
Product code	431R
Intended use of the substance/preparation	Intermediate
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3B
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8A
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Highly flammable liquid and vapour. May be harmful in contact with skin. May be harmful if inhaled. Causes mild skin irritation. May cause an allergic skin reaction. May damage fertility or the unborn child. Harmful to aquatic life.</p>
Precautionary statements	<p>Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Obtain special instructions before use.</p>

Wear protective gloves/protective clothing/eye protection/face protection.
 Avoid breathing dust/ vapours/ spray.
 IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: dibutylbis((1-oxododecyl)oxy)stannane. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	70 - 80%	✓	
123-54-6	pentane-2,4-dione	5 - 10%	✓	
108-10-1	4-methylpentan-2-one	5 - 10%	✓	
1330-20-7	xylene	5 - 10%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
77-58-7	dibutylbis((1-oxododecyl)oxy)stannane	0.3 - 1.0%	✓	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits Workplace Exposure Standards (WESs) 2002

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m ³
	TWA	205 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
dibutylbis((1-oxododecyl)oxy)stannane	STEL	0.2 mg/m ³
	TWA	0.1 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min

Chemical Name	Glove material	Glove thickness	Break through time
	Nitrile rubber	0.33 mm	30 min
pentane-2,4-dione	butyl-rubber	0.7 mm	480 m
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	114 °C	
Flash point	21 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	11.6 %	
Lower explosion limit	1 %	
Vapour pressure	14.2 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.88 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	350 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

pentane-2,4-dione	Category 3
xylene	Category 4
dibutylbis((1-oxododecyl)oxy)stannane	Category 3

Acute inhalation toxicity

pentane-2,4-dione	Category 3
4-methylpentan-2-one	Category 4
xylene	Category 4
ethylbenzene	Category 4
dibutylbis((1-oxododecyl)oxy)stannane	Category 2

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
pentane-2,4-dione	Category 3
4-methylpentan-2-one	Category 3
xylene	Category 2
ethylbenzene	Category 3
dibutylbis((1-oxododecyl)oxy)stannane	Category 1B

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

pentane-2,4-dione	Category 1
dibutylbis((1-oxododecyl)oxy)stannane	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

dibutylbis((1-oxododecyl)oxy)stannane	Category 1A
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Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
pentane-2,4-dione	Category 3
xylene	Category 3
ethylbenzene	Category 2
dibutylbis((1-oxododecyl)oxy)stannane	Category 1

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3B
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8A
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C



16. Other information

Revision Note

Version	Changes
2.0	2, 7, 8, 11, 15

Revision Date: 2015-01-13
B12091145

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	459S Anti-Cratering Additive
Product code	459S
Intended use of the substance/preparation	Intermediate
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1D
Skin corrosion/irritation	Category 6.3A
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful in contact with skin. Harmful if inhaled. Causes skin irritation. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF exposed or concerned: Get medical advice/ attention.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
1330-20-7	xylene	70 - 80%	✓	
100-41-4	ethylbenzene	10 - 20%	✓	
122-99-6	2-phenoxyethanol	3 - 5%	✓	
108-88-3	toluene	0.3 - 1.0%	✓	

Non-regulated ingredients 1 - 5%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethylbenzene	TWA	100 ppm



Chemical Name		
toluene	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	not applicable
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Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	29 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	7 %	
Lower explosion limit	1 %	
Vapour pressure	7.9 hPa	
Solubility(ies)	nil	
Vapour density	no data available	
Density	0.87 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	360 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

xylene Category 4

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-phenoxyethanol	Category 4
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
ethylbenzene	Category 3
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
ethylbenzene	Category 2
toluene	Category 2

Chronic aquatic toxicity

Ecotoxic to terrestrial invertebrates

xylene	Category 9.4C
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% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number:	1263
Hazard Class:	3
Packing group:	III
Hazchem Code:	3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number:	1263
Hazard Class:	3
Subsidiary Hazard Class:	Not applicable.
Packing group:	III
Marine Pollutant:	no
EmS:	F-E,S-E

ICAO/IATA (Air transport)



Proper shipping name: PAINT RELATED MATERIAL
UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1D
Skin corrosion/irritation	Category 6.3A
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
B12134675	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	516H Imron® White
Product code	516H
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Serious eye damage/eye irritation	Category 6.4A

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Causes serious eye irritation.
Precautionary statements	Wear eye protection/ face protection. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. If eye irritation persists: Get medical advice/ attention. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
13463-67-7	Titanium dioxide	50 - 60%		
108-65-6	2-methoxy-1-methylethyl acetate	10 - 20%	✓	
110-43-0	heptan-2-one	5 - 10%	✓	
7631-86-9	amorphous Silica	3 - 5%		
21645-51-2	aluminium hydroxide	1 - 3%		
123-86-4	n-butyl acetate	1 - 3%	✓	

Non-regulated ingredients 10 - 20%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
Titanium dioxide	TWA	10 mg/m ³
heptan-2-one	TWA	50 ppm
	TWA	233 mg/m ³
amorphous Silica	TWA	10 mg/m ³
aluminium hydroxide	TWA	2 mg/m ³

 Chemical Name

n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: white Odor Threshold : no data available

pH	No data available.
Freezing point	Not applicable.

Boiling point	140 °C	
Flash point	31 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	7.9 %	
Lower explosion limit	1.1 %	
Vapour pressure	1.0 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	1.84 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

Not classified according to GHS criteria

Serious eye damage/eye irritation

2-methoxy-1-methylethyl acetate	Category 2A
heptan-2-one	Category 2B

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbition, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662

HSNO Classification

Serious eye damage/eye irritation Category 6.4A

Flammable liquids Category 3.1C



16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B10930340

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	519H Imron® Blue
Product code	519H
Intended use of the substance/preparation	
Dispersion used in coating manufacturing (for professional use)	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Causes mild skin irritation. Causes serious eye irritation. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Wear eye protection/ face protection. Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. If eye irritation persists: Get medical advice/ attention. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
123-86-4	n-butyl acetate	20 - 30%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	5 - 10%	✓	
110-43-0	heptan-2-one	5 - 10%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	5 - 10%	✓	
95-63-6	1,2,4-trimethylbenzene	3 - 5%	✓	
81-77-6	5,9,14,18-Anthrazinetetrone, 6,15-dihydro-	3 - 5%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
1330-20-7	xylene	0.3 - 1.0%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Chemical Name

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name

n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
heptan-2-one	TWA	713 mg/m ³
	TWA	50 ppm
	TWA	233 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
xylene	TWA	123 mg/m ³
	TWA	50 ppm
cumene	TWA	217 mg/m ³
	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

Chemical Name	Glove material	Glove thickness	Break through time
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) ®	0.7 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: blue Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	140 °C	
Flash point	29 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	4.9 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.99 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	> 100 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
heptan-2-one	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 3
xylene	Category 2

Serious eye damage/eye irritation

heptan-2-one	Category 2B
2-methoxy-1-methylethyl acetate	Category 2A
1,2,4-trimethylbenzene	Category 2A
mesitylene	Category 2A
xylene	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbition, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
heptan-2-one	Category 3
1,2,4-trimethylbenzene	Category 2
5,9,14,18-Anthrazinetetrone, 6,15-dihydro-	Category 3
mesitylene	Category 2
xylene	Category 3
cumene	Category 2

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C



16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-29
B12729341

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	528H Imron® Yellow
Product code	528H
Intended use of the substance/preparation	Intermediate
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids Category 3.1B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols



Signal word

Danger

Hazard statements

Highly flammable liquid and vapour.

Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
25322-69-4	polypropylene glycol	1 - 3%	√	

Non-regulated ingredients 90 - 100%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

The product contains no substances classified as hazardous to health by an OEL value in concentrations which should be taken into account.

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Eye protection

Use safety eyewear designed to protect against splash of products.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Glove material	Glove thickness	Break through time
Nitrile rubber	0.33 mm	60 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product

compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	100 °C	
Flash point	-7 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	Not applicable.	
Lower explosion limit	Not applicable.	
Vapour pressure	Not applicable.	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	1.01 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	Not applicable.	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

Does not sustain combustion.

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

Not classified according to GHS criteria

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity**Chronic aquatic toxicity**

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3



Subsidiary Hazard Class: Not applicable.
Packing group: II
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662
HSNO Control A This product must be under the control of an approved handler during use.
HSNO Classification
Flammable liquids Category 3.1B

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B12729873

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	569H Imron® Orange
Product code	569H
Intended use of the substance/preparation	Intermediate
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids Category 3.1B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols



Signal word

Danger

Hazard statements

Highly flammable liquid and vapour.

Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
25322-69-4	polypropylene glycol	1 - 3%	√	

Non-regulated ingredients 90 - 100%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

The product contains no substances classified as hazardous to health by an OEL value in concentrations which should be taken into account.

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Eye protection

Use safety eyewear designed to protect against splash of products.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Glove material	Glove thickness	Break through time
Nitrile rubber	0.33 mm	60 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product

compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	100 °C	
Flash point	-7 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	Not applicable.	
Lower explosion limit	Not applicable.	
Vapour pressure	Not applicable.	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	1.01 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	Not applicable.	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

Does not sustain combustion.

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

Not classified according to GHS criteria

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity**Chronic aquatic toxicity**

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3



Subsidiary Hazard Class: Not applicable.
Packing group: II
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662
HSNO Control A This product must be under the control of an approved handler during use.
HSNO Classification
Flammable liquids Category 3.1B

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B12729873

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	635R Etching Primer
Product code	635R
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute oral toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>May be harmful if swallowed. Flammable liquid and vapour. Toxic to aquatic life. Toxic to aquatic life with long lasting effects. May cause an allergic skin reaction. Causes skin irritation. Causes serious eye damage.</p>
Precautionary statements	<p>Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Store in a well-ventilated place. Keep cool. Avoid release to the environment. Collect spillage.</p>

Avoid breathing dust/ vapours/ spray.
 Wear protective gloves/protective clothing/eye protection/face protection.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Immediately call a POISON CENTER or doctor/ physician.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Other hazards which do not result in classification

Contains epoxy constituents. See information supplied by the manufacturer.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
71-36-3	n-butanol	20 - 30%	✓	
71-23-8	propan-1-ol	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
25068-38-6	epoxy resin (number average molecular weight 700 <= 1200)	5 - 10%	✓	
1314-13-2	zinc oxide	5 - 10%	✓	
1330-20-7	xylene	3 - 5%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	1 - 3%		
51274-00-1	Light yellow lemon yellow oxide pigment	1 - 3%		
13463-67-7	Titanium dioxide	1 - 3%		
1333-86-4	carbon black	0.1 - 0.3%		
1309-37-1	Iron oxide	0.1 - 0.3%	✓	

Non-regulated ingredients 10 - 20%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butanol	CEIL	150 mg/m ³
	CEIL	50 ppm
propan-1-ol	TWA	200 ppm
	STEL	250 ppm
	STEL	614 mg/m ³
	TWA	492 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
zinc oxide	STEL	10 mg/m ³
	TWA	5 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	TWA	2 mg/m ³
Light yellow lemon yellow oxide pigment	TWA	1 mg/m ³
Titanium dioxide	TWA	10 mg/m ³

 Chemical Name

carbon black	TWA	3 mg/m ³
Iron oxide	TWA	5 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butanol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min
propan-1-ol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	481 min
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: brown Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	97 °C	
Flash point	24 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	13.7 %	
Lower explosion limit	1.4 %	
Vapour pressure	9.2 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.98 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	340 °C	
Decomposition temperature		
Viscosity (23 °C)	31 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

n-butanol	Category 4
propan-1-ol	Category 4
xylene	Category 5
ethylbenzene	Category 5
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	Category 4

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 7.6 %

Skin corrosion/irritation

n-butanol	Category 2
n-butyl acetate	Category 3
epoxy resin (number average molecular weight 700 <= 1200)	Category 2
xylene	Category 2
ethylbenzene	Category 3
Iron oxide	Category 2

Serious eye damage/eye irritation

n-butanol	Category 1
propan-1-ol	Category 1
epoxy resin (number average molecular weight 700 <= 1200)	Category 2A
xylene	Category 2A
ethylbenzene	Category 2B
Iron oxide	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

epoxy resin (number average molecular weight 700 <= 1200)	Category 1
--	------------

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be a skin sensitiser and an irritant. Low molecular epoxy constituents are irritating to eyes, mucous membranes and skin. Repeated skin contact may lead to irritation and to sensitization, possibly with cross-sensitization to other epoxies. Avoid skin and eye contact. Avoid inhalation of vapour or mist.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
zinc oxide	Category 1
xylene	Category 3
ethylbenzene	Category 2
Titanium dioxide	Category 3
Iron oxide	Category 3

Chronic aquatic toxicity

zinc oxide	Category 1
------------	------------

% of unknown composition 9.3%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: yes [zinc oxide]

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute oral toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

16. Other information

Revision Note

Version	Changes
2.0	3, 8

Revision Date: 2015-01-13
B11979475

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.



End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	636R Thinner - Activator
Product code	636R
Intended use of the substance/preparation	Hardener for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute oral toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 8.2B
Serious eye damage/eye irritation	Category 8.3A
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling



Hazard symbols

Signal word

Danger

Hazard statements

Suspected of damaging fertility or the unborn child.
Flammable liquid and vapour.
Harmful to aquatic life.
Harmful to aquatic life with long lasting effects.
Causes severe skin burns and eye damage.
Causes serious eye damage.
May be harmful if swallowed or if inhaled.

Precautionary statements

Obtain special instructions before use.
IF exposed or concerned: Get medical advice/ attention.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Store in a well-ventilated place. Keep cool.
 Avoid release to the environment.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Immediately call a POISON CENTER or doctor/ physician.
 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 Do not breathe dust or mist.
 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
71-36-3	n-butanol	30 - 40%	✓	
107-98-2	1-methoxy-2-propanol	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
71-23-8	propan-1-ol	5 - 10%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	3 - 5%	✓	
123-86-4	n-butyl acetate	3 - 5%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
7664-38-2	phosphoric acid	3 - 5%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 1 - 5%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist,

call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection
**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butanol	CEIL	150 mg/m ³
	CEIL	50 ppm
1-methoxy-2-propanol	TWA	100 ppm
	STEL	150 ppm
	STEL	553 mg/m ³
	TWA	369 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
propan-1-ol	TWA	200 ppm
	STEL	250 ppm
	STEL	614 mg/m ³
	TWA	492 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	1 mg/m ³
phosphoric acid	TWA	1 mg/m ³
	TWA	25 ppm
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³

Chemical Name		
	TWA	123 mg/m ³
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butanol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
propan-1-ol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	481 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	97 °C	
Flash point	27 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	13.7 %	
Lower explosion limit	0.9 %	
Vapour pressure	8.7 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.88 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	270 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

n-butanol	Category 4
1-methoxy-2-propanol	Category 5
xylene	Category 5
propan-1-ol	Category 4
ethylbenzene	Category 5
phosphoric acid	Category 4
1,2,4-trimethylbenzene	Category 5
cumene	Category 5

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

n-butanol	Category 5
xylene	Category 4
ethylbenzene	Category 4
1,2,4-trimethylbenzene	Category 4
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

n-butanol	Category 2
1-methoxy-2-propanol	Category 3
xylene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 3
phosphoric acid	Category 1A
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 3
toluene	Category 2

Serious eye damage/eye irritation

n-butanol	Category 1
1-methoxy-2-propanol	Category 2B
xylene	Category 2A
propan-1-ol	Category 1
ethylbenzene	Category 2B
phosphoric acid	Category 1
1,2,4-trimethylbenzene	Category 2A
mesitylene	Category 2A
toluene	Category 2B

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 2
phosphoric acid	Category 3
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2
toluene	Category 2

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002663
HSNO Classification	
Acute oral toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 8.2B
Serious eye damage/eye irritation	Category 8.3A
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
B12093339	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	696S MS Clear II
Product code	696S
Intended use of the substance/preparation	
Coating for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray.

If eye irritation persists: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
123-86-4	n-butyl acetate	10 - 20%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	5 - 10%	✓	
763-69-9	ethyl 3-ethoxypropionate	5 - 10%	✓	
108-10-1	4-methylpentan-2-one	5 - 10%	✓	
1330-20-7	xylene	5 - 10%	✓	
95-63-6	1,2,4-trimethylbenzene	3 - 5%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
624-41-9	2-methylbutyl acetate	1 - 3%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
628-63-7	pentyl acetate	1 - 3%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
64-19-7	acetic acid	0.1 - 0.3%	✓	
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) seba- cate	0.1 - 0.3%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m ³
	TWA	205 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
pentyl acetate	TWA	434 mg/m ³
	TWA	100 ppm
mesitylene	TWA	532 mg/m ³
	TWA	25 ppm

 Chemical Name

	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
acetic acid	TWA	10 ppm
	STEL	15 ppm
	STEL	37 mg/m ³
	TWA	25 mg/m ³
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
2-butoxyethyl acetate	Viton (R) [®]	0.7 mm	480 m
	Nitrile rubber	0.33 mm	480 m

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to

use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	114 °C	
Flash point	25 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	6.0 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.96 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

4-methylpentan-2-one	Category 4
xylene	Category 4
1,2,4-trimethylbenzene	Category 4
2-butoxyethyl acetate	Category 4
ethylbenzene	Category 4
acetic acid	Category 4

% of unknown composition 1.3 %

Skin corrosion/irritation

n-butyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
ethyl 3-ethoxypropionate	Category 3
4-methylpentan-2-one	Category 3
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
2-methylbutyl acetate	Category 3
ethylbenzene	Category 3
pentyl acetate	Category 3
mesitylene	Category 3
acetic acid	Category 1A

Serious eye damage/eye irritation

4-methylpentan-2-one	Category 2A
xylene	Category 2A
1,2,4-trimethylbenzene	Category 2A
ethylbenzene	Category 2B
pentyl acetate	Category 2A
2-methoxy-1-methylethyl acetate	Category 2A
mesitylene	Category 2A
acetic acid	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
ethyl 3-ethoxypropionate	Category 3
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
2-butoxyethyl acetate	Category 3
ethylbenzene	Category 2
mesitylene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
cumene	Category 2

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
pentyl acetate	Category 4
mesitylene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
cumene	Category 2

% of unknown composition 1.3%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11938407

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	762R Hardener (For 769R)
Product code	762R
Intended use of the substance/preparation	Hardener for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Acute oral toxicity	Category 6.1D
Target Organ Systemic Toxicant - Single exposure	Category 6.9B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Suspected of damaging fertility or the unborn child. May cause damage to organs. Harmful if swallowed or if inhaled
Precautionary statements	IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Wash hands after handling. Do not eat, drink or smoke when using this product. Dispose of contents/container in accordance with local regulations.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
94-36-0	dibenzoyl peroxide	40 - 50%	✓	
107-21-1	ethanediol	5 - 10%	✓	
27138-31-4	Oxydipropyl dibenzoate	1 - 3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid breathing dust. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Water spray/Dry chemical

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

Personal precautions

Keep away from sources of ignition. Air out the room. Do not breathe dust. Comply with safety directives (see chapters 7 and 8).

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with a electrically protected vacuum cleaner or by wet brushing and place in container for disposal according to local regulations. Do not use a dry brush as dust clouds or static can be created! Use a suitable vacuum cleaner.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. It is recommended that advice is taken from a competent occupational health practitioner on the assessment of employees with skin or respiratory complaints before the individual is exposed to the uncured product.

Safe handling advice

Precautions should be taken to prevent the formation of dusts in concentrations above flammable, explosive or occupational exposure limits. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. Keep away from open flames, hot surfaces and sources of ignition. Smoking, eating and drinking should be prohibited in the application area. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
dibenzoyl peroxide	TWA	5 mg/m ³
ethanediol	CEIL	127 mg/m ³
	CEIL	50 ppm

Engineering measures

Do not breathe dust. Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain exposure to dusts below the OEL,

suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

If dust formation exceeds the air concentration limits, then a respiratory protection device approved for this purpose must be worn.

Eye protection

Eye protection (to EN 166/170) designed to protect against exposure to dusts should be worn when there is a likelihood of exposure.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Glove material	Glove thickness	Break through time
Nitrile rubber	0.33 mm	> 240 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Care should be taken in the selection of protective clothing. Avoid contact with the powder on throat and wrists due to possible inflammation and irritation of the skin.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : solid Colour: diverse Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	Not applicable.	
Flash point	Not applicable.	
Evaporation rate	not applicable	
Flammability	Not applicable.	
Upper explosion limit	Not applicable.	
Lower explosion limit	Not applicable.	
Vapour pressure	Not applicable.	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	1.3 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	Not applicable.	
Decomposition temperature	DIN 51794	
Viscosity (23 °C)	>100 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, benzoic acid, benzene, diphenyl, phenylbenzoate; for cyclohexanone peroxides, hexane carbonic acid, lauric carbon acid, cyclohexane.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

ethanediol	Category 4
Oxydipropyl dibenzoate	Category 5

Acute dermal toxicity

Not classified according to GHS criteria

Acute inhalation toxicity

Not classified according to GHS criteria

% of unknown composition 0 %

Skin corrosion/irritation

Not classified according to GHS criteria

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

No data available.

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

No information available.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. Can be landfilled or incinerated, when in compliance with local regulations.

14. Transport information

NZS5433

Proper shipping name: ORGANIC PEROXIDE TYPE E, SOLID
(dibenzoyl peroxide)
UN number: 3108
Hazard Class: 5.2
Packing group:
Hazchem Code: 1W

IMDG (Sea transport)

Proper shipping name: ORGANIC PEROXIDE TYPE E, SOLID
(dibenzoyl peroxide)
UN number: 3108
Hazard Class: 5.2
Subsidiary Hazard Class: Not applicable.
Packing group:
Marine Pollutant: yes [dibenzoyl peroxide]
EmS: F-J,S-R

ICAO/IATA (Air transport)

Proper shipping name: ORGANIC PEROXIDE TYPE E, SOLID
(dibenzoyl peroxide)
UN number: 3108
Hazard Class: 5.2
Subsidiary Hazard Class: Not applicable.
Packing group:

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002670
HSNO Classification	
Acute oral toxicity	Category 6.1D
Target Organ Systemic Toxicant - Single exposure	Category 6.9B

16. Other information

Revision Note

Version	Changes
1.6	3

Revision Date: 2015-01-29
B12803577

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	769R Polyester Putty Fine - 2Kg
Product code	769R
Intended use of the substance/preparation Putty for professional use	
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure.
Precautionary statements	Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. IF exposed or concerned: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: cobalt-(II)-2-ethylhexanoate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	30 - 40%		
7727-43-7	barium sulphate, natural	10 - 20%		
100-42-5	styrene	10 - 20%	✓	
13463-67-7	Titanium dioxide	5 - 10%		
141-78-6	ethyl acetate	0.3 - 1.0%	✓	
21645-51-2	aluminium hydroxide	0.1 - 0.3%		
7631-86-9	amorphous Silica	0.1 - 0.3%		
136-52-7	cobalt-(II)-2-ethylhexanoate	0.1 - 0.3%	✓	
64-17-5	ethanol	0.1 - 0.3%	✓	
51274-00-1	Light yellow lemon yellow oxide pigment	0.1 - 0.3%		

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	TWA	2 mg/m ³
barium sulphate, natural	TWA	10 mg/m ³
styrene	TWA	50 ppm
	STEL	100 ppm
	STEL	426 mg/m ³
	TWA	213 mg/m ³
Titanium dioxide	TWA	10 mg/m ³
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m ³
aluminium hydroxide	TWA	2 mg/m ³
amorphous Silica	TWA	10 mg/m ³
ethanol	TWA	1,000 ppm
	TWA	1,880 mg/m ³
Light yellow lemon yellow oxide pigment	TWA	1 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: brown Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	145 °C	
Flash point	33 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	Not applicable.	
Lower explosion limit	Not applicable.	
Vapour pressure	1.7 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.82 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	490 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	> 100 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

Not classified according to GHS criteria

Acute dermal toxicity

Not classified according to GHS criteria

Acute inhalation toxicity

not hazardous

% of unknown composition 22.2 %

Skin corrosion/irritation

styrene	Category 2
ethyl acetate	Category 3

Serious eye damage/eye irritation

styrene	Category 2A
ethyl acetate	Category 2A
cobalt-(II)-2-ethylhexanoate	Category 2A
ethanol	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

cobalt-(II)-2-ethylhexanoate	Category 1
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Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

cobalt-(II)-2-ethylhexanoate	Category 2
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Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

- **Skin Absorption**

Body weight effects ethyl acetate

Systemic toxicity styrene

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A
Flammable liquids	Category 3.1C

16. Other information

Revision Note

Version	Changes
2.0	3, 8

Revision Date: 2015-01-13
 B11802886

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.



End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	791R Hardener (For 799R)
Product code	791R
Intended use of the substance/preparation	Hardener for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute oral toxicity	Category 6.1E
Skin corrosion/irritation	Category 8.2B
Serious eye damage/eye irritation	Category 8.3A

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	May be harmful if swallowed. Highly flammable liquid and vapour. Causes severe skin burns and eye damage. Causes serious eye damage.
Precautionary statements	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Wear protective gloves/protective clothing/eye protection/face protection. Immediately call a POISON CENTER or doctor/ physician. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Do not breathe dust or mist.

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
141-78-6	ethyl acetate	30 - 40%	✓	
123-42-2	4-hydroxy-4-methylpentan-2-one	20 - 30%	✓	
12262-58-7	cyclohexanone, peroxide	10 - 20%	✓	
131-11-3	dimethyl phthalate	10 - 20%		

Non-regulated ingredients 1 - 5%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of Previn® or water.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Do not store mixtures in metal containers because of the possibility of pressure build-up. Use glass or plastic as appropriate.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m ³
4-hydroxy-4-methylpentan-2-one	TWA	50 ppm

Chemical Name

	TWA	238 mg/m ³
dimethyl phthalate	TWA	5 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	No data available.
Freezing point	Not applicable.
Boiling point	77 °C
Flash point	8 °C
Evaporation rate	Slower than Ether
Flammability	

Upper explosion limit	11.5 %	
Lower explosion limit	2.1 %	
Vapour pressure	Not applicable.	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	1.02 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	Not applicable.	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Store separately from combustible materials, reducing agents (e.g. amines), acids, alkalis and heavy metal compounds (e.g. accelerators, driers, metal soaps)

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, benzoic acid, benzene, diphenyl, phenylbenzoate; for cyclohexanone peroxides, hexane carbonic acid, lauric carbon acid, cyclohexane.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

4-hydroxy-4-methylpentan-2-one	Category 5
cyclohexanone, peroxide	Category 4

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

Not classified according to GHS criteria

% of unknown composition 0 %

Skin corrosion/irritation

ethyl acetate	Category 3
4-hydroxy-4-methylpentan-2-one	Category 3
cyclohexanone, peroxide	Category 1B

Serious eye damage/eye irritation

ethyl acetate	Category 2A
4-hydroxy-4-methylpentan-2-one	Category 2A
cyclohexanone, peroxide	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbition, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

cyclohexanone, peroxide	Category 3
-------------------------	------------

Chronic aquatic toxicity

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: ORGANIC PEROXIDE TYPE E, LIQUID
(cyclohexanone, peroxide)
UN number: 3107
Hazard Class: 5.2
Packing group:
Hazchem Code: 2W

IMDG (Sea transport)

Proper shipping name: ORGANIC PEROXIDE TYPE E, LIQUID
(cyclohexanone, peroxide)
UN number: 3107
Hazard Class: 5.2
Subsidiary Hazard Class: Not applicable.
Packing group:
Marine Pollutant: no
EmS: F-J,S-R

ICAO/IATA (Air transport)

Proper shipping name: ORGANIC PEROXIDE TYPE E, LIQUID
(cyclohexanone, peroxide)
UN number: 3107
Hazard Class: 5.2
Subsidiary Hazard Class: Not applicable.
Packing group:

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002663
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute oral toxicity	Category 6.1E
Skin corrosion/irritation	Category 8.2B
Serious eye damage/eye irritation	Category 8.3A
Flammable liquids	Category 3.1B

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B12235459

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	799R VOC Spray Putty
Product code	799R
Intended use of the substance/preparation	
Coating for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>May be harmful if inhaled. Flammable liquid and vapour. Causes damage to organs through prolonged or repeated exposure. May cause an allergic skin reaction. Causes skin irritation. Causes serious eye damage.</p>
Precautionary statements	<p>Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Store in a well-ventilated place. Keep cool. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Wear protective gloves/protective clothing/eye protection/face protection. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse.</p>

Immediately call a POISON CENTER or doctor/ physician.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Other hazards which do not result in classification

Contains: cobalt-(II)-2-ethylhexanoate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	20 - 30%		
100-42-5	styrene	20 - 30%	✓	
57472-68-1	oxybis(methyl-2,1-ethanediy) diacrylate	3 - 5%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
13463-67-7	Titanium dioxide	1 - 3%		
1317-61-9	Black iron oxide	0.1 - 0.3%		
136-52-7	cobalt-(II)-2-ethylhexanoate	0.1 - 0.3%	✓	
51274-00-1	Light yellow lemon yellow oxide pigment	0.1 - 0.3%		
67-56-1	methanol	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits Workplace Exposure Standards (WESs) 2002

Chemical Name		
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	TWA	2 mg/m ³
styrene	TWA	50 ppm
	STEL	100 ppm
	STEL	426 mg/m ³
ethyl acetate	TWA	213 mg/m ³
	TWA	200 ppm
	TWA	720 mg/m ³
Titanium dioxide	TWA	10 mg/m ³
Black iron oxide	TWA	1 mg/m ³
Light yellow lemon yellow oxide pigment	TWA	1 mg/m ³
methanol	TWA	200 ppm
	STEL	250 ppm
	STEL	328 mg/m ³
	TWA	262 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: grey Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	145 °C	
Flash point	25 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	6.1 %	
Lower explosion limit	0.9 %	
Vapour pressure	3.8 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.41 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	240 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	>100 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

Not classified according to GHS criteria

Acute dermal toxicity

Not classified according to GHS criteria

Acute inhalation toxicity

styrene	Category 4
methanol	Category 3

% of unknown composition 27.3 %

Skin corrosion/irritation

styrene	Category 2
oxybis(methyl-2,1-ethanediyl) diacrylate	Category 2
ethyl acetate	Category 3

Serious eye damage/eye irritation

styrene	Category 2A
oxybis(methyl-2,1-ethanediyl) diacrylate	Category 1
ethyl acetate	Category 2A
cobalt-(II)-2-ethylhexanoate	Category 2A
methanol	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

oxybis(methyl-2,1-ethanediyl) diacrylate	Category 1
cobalt-(II)-2-ethylhexanoate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

- **Skin Absorption**

Body weight effects ethyl acetate

Eyes methanol

Central nervous system oxybis(methyl-2,1-ethanediyl) diacrylate, methanol

Systemic toxicity styrene

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbition, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9A
Flammable liquids	Category 3.1C

16. Other information

Revision Note

Version	Changes
2.1	2

Revision Date: 2015-01-29
B12374567

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	800R Plastic Adhesion Promotor
Product code	800R
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1D
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful in contact with skin. Harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains epoxy constituents. See information supplied by the manufacturer. Contains: epoxy resin (number average molecular weight \leq 700). May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
1330-20-7	xylene	60 - 70%	✓	
100-41-4	ethylbenzene	10 - 20%	✓	
110-12-3	5-methylhexan-2-one	1 - 3%	✓	
108-90-7	chlorobenzene	0.3 - 1.0%	✓	
123-86-4	n-butyl acetate	0.3 - 1.0%	✓	
108-88-3	toluene	0.3 - 1.0%	✓	
25068-38-6	epoxy resin (number average molecular weight \leq 700)	0.1 - 0.3%	✓	

Non-regulated ingredients 10 - 20%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
5-methylhexan-2-one	TWA	50 ppm
	TWA	234 mg/m ³
chlorobenzene	TWA	10 ppm
	TWA	46 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	29 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	7 %	
Lower explosion limit	1 %	
Vapour pressure	7.5 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.88 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	425 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

xylene Category 4

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
5-methylhexan-2-one	Category 4
chlorobenzene	Category 4
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
ethylbenzene	Category 3
5-methylhexan-2-one	Category 3
chlorobenzene	Category 2
n-butyl acetate	Category 3
toluene	Category 2
epoxy resin (number average molecular weight \leq 700)	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisationepoxy resin (number average molecular weight \leq 700) Category 1**Germ cell mutagenicity**

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be a skin sensitiser and an irritant. Low molecular epoxy constituents are irritating to eyes, mucous membranes and skin. Repeated skin contact may lead to irritation and to sensitization, possibly with cross-sensitization to other epoxies. Avoid skin and eye contact. Avoid inhalation of vapour or mist.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
ethylbenzene	Category 2
chlorobenzene	Category 1
n-butyl acetate	Category 3
toluene	Category 2
epoxy resin (number average molecular weight \leq 700)	Category 1

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1D
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B11934829

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	800RA Plastic Adhesion Promotor ()
Product code	800RA
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1D
Toxicity for reproduction	Category 6.8B
Aspiration toxicity	Category 6.1E
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>May be harmful if swallowed. May cause genetic defects. May cause cancer. Suspected of damaging fertility or the unborn child. May be harmful if swallowed and enters airways. Harmful to aquatic life. Causes damage to organs. Causes serious eye irritation.</p>
Precautionary statements	<p>Obtain special instructions before use. IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Do NOT induce vomiting. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.</p>

IF exposed: Call a POISON CENTER or doctor/ physician.
Wear eye protection/ face protection.
If eye irritation persists: Get medical advice/ attention.

Other hazards which do not result in classification

Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
1330-20-7	xylene	40 - 50%	✓	
106-97-8	Butane (< 0,1% 1,3-butadiene)	10 - 20%	✓	
100-41-4	ethylbenzene	10 - 20%	✓	
74-98-6	propane	10 - 20%	✓	
110-12-3	5-methylhexan-2-one	1 - 3%	✓	
108-90-7	chlorobenzene	0.3 - 1.0%	✓	
123-86-4	n-butyl acetate	0.3 - 1.0%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 5 - 10%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	TWA	217 mg/m ³
Butane (< 0,1% 1,3-butadiene)	TWA	800 ppm
	TWA	1,900 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
5-methylhexan-2-one	TWA	434 mg/m ³
	TWA	50 ppm
chlorobenzene	TWA	234 mg/m ³
	TWA	10 ppm
n-butyl acetate	TWA	46 mg/m ³
	TWA	150 ppm
toluene	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) ^(R)	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : aerosol Colour: clear Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	Not applicable.	
Flash point	-1 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.9 %	
Lower explosion limit	1.1 %	
Vapour pressure	3,600.0 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.76 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	365 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

xylene Category 4

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
5-methylhexan-2-one	Category 4
chlorobenzene	Category 4
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

Not classified according to GHS criteria

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

xylene	Category 2
ethylbenzene	Category 2
5-methylhexan-2-one	Category 2
toluene	Category 1

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
ethylbenzene	Category 2
chlorobenzene	Category 1
n-butyl acetate	Category 3
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 13%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations**14. Transport information****NZS5433**

Proper shipping name: AEROSOLS

UN number: 1950

Hazard Class: 2.1

Packing group:

Hazchem Code:

IMDG (Sea transport)

Proper shipping name: AEROSOLS

UN number: 1950

Hazard Class: 2.1

Subsidiary Hazard Class: Not applicable.

Packing group:

Marine Pollutant: no

EmS: F-D,S-U

ICAO/IATA (Air transport)

Proper shipping name: AEROSOLS, flammable

UN number: 1950

Hazard Class: 2.1

Subsidiary Hazard Class: Not applicable.

Packing group:

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002520
HSNO Classification	
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1D
Toxicity for reproduction	Category 6.8B
Aspiration toxicity	Category 6.1E
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
1.1	11

Revision Date: 2015-01-29
B12752666

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the



specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	805R Flexible Additive
Product code	805R
Intended use of the substance/preparation	Intermediate
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Causes mild skin irritation. May cause an allergic skin reaction. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate; methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
1330-20-7	xylene	5 - 10%	✓	
123-86-4	n-butyl acetate	1 - 3%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	0.3 - 1.0%	✓	
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0.1 - 0.3%	✓	

Non-regulated ingredients 80 - 90%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Avoid heating above flash point. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
xylene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m3
	TWA	150 ppm
	STEL	200 ppm
ethylbenzene		
	STEL	950 mg/m3
	TWA	713 mg/m3
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	50 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	7 %	
Lower explosion limit	1 %	
Vapour pressure	1.4 hPa	
Solubility(ies)	nil	
Vapour density	no data available	
Density	1.08 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	54 s	ISO 2431-1993 6 mm

10. Stability and reactivity**Stability**

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbition, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)



Proper shipping name: PAINT RELATED MATERIAL
UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662
HSNO Classification
Skin corrosion/irritation Category 6.3B
Skin sensitisation Category 6.5B
Flammable liquids Category 3.1C
Acute aquatic toxicity Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B11933612

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	825R 1K Primer Surfacer
Product code	825R
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction.
Precautionary statements	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. If eye irritation persists: Get medical advice/ attention. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains epoxy constituents. See information supplied by the manufacturer.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Hazardous
71-23-8	propan-1-ol	30 - 40%	✓	
78-83-1	iso-butanol	10 - 20%	✓	
13463-67-7	Titanium dioxide	10 - 20%		
25068-38-6	epoxy resin (number average molecular weight 700 <= 1200)	3 - 5%	✓	
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	3 - 5%		
107-98-2	1-methoxy-2-propanol	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
21645-51-2	aluminium hydroxide	0.3 - 1.0%		
7631-86-9	amorphous Silica	0.3 - 1.0%		
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
7664-38-2	phosphoric acid	0.3 - 1.0%	✓	
1333-86-4	carbon black	0.1 - 0.3%		
71-36-3	n-butanol	0.1 - 0.3%	✓	

Non-regulated ingredients 10 - 20%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
propan-1-ol	TWA	200 ppm
	STEL	250 ppm
	STEL	614 mg/m ³
	TWA	492 mg/m ³
iso-butanol	TWA	50 ppm
	TWA	152 mg/m ³
Titanium dioxide	TWA	10 mg/m ³
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	TWA	2 mg/m ³
1-methoxy-2-propanol	TWA	100 ppm
	STEL	150 ppm
	STEL	553 mg/m ³
	TWA	369 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
aluminium hydroxide	TWA	2 mg/m ³
amorphous Silica	TWA	10 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
phosphoric acid	TWA	1 mg/m ³
carbon black	TWA	3 mg/m ³
n-butanol	CEIL	150 mg/m ³
	CEIL	50 ppm

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
propan-1-ol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	481 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
n-butanol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: grey Odor Threshold : no data available

pH	No data available.
Freezing point	Not applicable.
Boiling point	97 °C
Flash point	24 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	13.7 %
Lower explosion limit	1.6 %

Vapour pressure	9.5 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	1.07 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	270 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	41 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 4.7 %

Skin corrosion/irritation

iso-butanol	Category 2
epoxy resin (number average molecular weight 700 <= 1200)	Category 2
1-methoxy-2-propanol	Category 3
xylene	Category 2
ethylbenzene	Category 3
phosphoric acid	Category 1A
n-butanol	Category 2

Serious eye damage/eye irritation

propan-1-ol	Category 1
iso-butanol	Category 1
epoxy resin (number average molecular weight 700 <= 1200)	Category 2A
1-methoxy-2-propanol	Category 2B
xylene	Category 2A
ethylbenzene	Category 2B
phosphoric acid	Category 1
n-butanol	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

epoxy resin (number average molecular weight 700 <= 1200)	Category 1
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Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be a skin sensitizer and an irritant. Low molecular epoxy constituents are irritating to eyes, mucous membranes and skin. Repeated skin contact may lead to irritation and to sensitization, possibly with cross-sensitization to other epoxies. Avoid skin and eye contact. Avoid inhalation of vapour or mist.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.



15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1C

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-10-10
B11892404

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	840R Epoxy Primer
Product code	840R
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. Collect spillage. If eye irritation persists: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains epoxy constituents. See information supplied by the manufacturer.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
7727-43-7	barium sulphate, natural	10 - 20%		
25068-38-6	epoxy resin (number average molecular weight 700 <= 1200)	10 - 20%	✓	
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	10 - 20%		
13463-67-7	Titanium dioxide	10 - 20%		
107-98-2	1-methoxy-2-propanol	5 - 10%	✓	
1330-20-7	xylene	5 - 10%	✓	
7779-90-0	trizinc bis(orthophosphate)	5 - 10%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
71-36-3	n-butanol	1 - 3%	✓	
21645-51-2	aluminium hydroxide	0.3 - 1.0%		
7631-86-9	amorphous Silica	0.3 - 1.0%		
78-83-1	iso-butanol	0.3 - 1.0%	✓	
1317-61-9	Black iron oxide	0.1 - 0.3%		
123-86-4	n-butyl acetate	0.1 - 0.3%	✓	
1314-13-2	zinc oxide	0.1 - 0.3%	✓	

Non-regulated ingredients 5 - 10%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
barium sulphate, natural	TWA	10 mg/m3
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	TWA	2 mg/m3
Titanium dioxide	TWA	10 mg/m3
1-methoxy-2-propanol	TWA	100 ppm
	STEL	150 ppm
	STEL	553 mg/m3
xylene	TWA	369 mg/m3
	TWA	50 ppm
	TWA	217 mg/m3
trizinc bis(orthophosphate)	TWA	10 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
n-butanol	TWA	434 mg/m3
	CEIL	150 mg/m3
	CEIL	50 ppm
aluminium hydroxide	TWA	2 mg/m3
amorphous Silica	TWA	10 mg/m3
iso-butanol	TWA	50 ppm
	TWA	152 mg/m3
Black iron oxide	TWA	1 mg/m3

 Chemical Name

n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
zinc oxide	TWA	713 mg/m ³
	STEL	10 mg/m ³
	TWA	5 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
n-butanol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: grey Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	117 °C	
Flash point	28 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	13.7 %	
Lower explosion limit	1 %	
Vapour pressure	2.5 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.71 <i>g/cm</i> ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	270 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	>100 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

The product contains ingredients which, under certain conditions, also may release formaldehyde. If necessary, the precise concentration has to be determined. When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 17.1 %

Skin corrosion/irritation

epoxy resin (number average molecular weight 700 <= 1200)	Category 2
1-methoxy-2-propanol	Category 3
xylene	Category 2
ethylbenzene	Category 3
n-butanol	Category 2
iso-butanol	Category 2
n-butyl acetate	Category 3

Serious eye damage/eye irritation

epoxy resin (number average molecular weight 700 <= 1200)	Category 2A
1-methoxy-2-propanol	Category 2B
xylene	Category 2A
ethylbenzene	Category 2B
n-butanol	Category 1
iso-butanol	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

epoxy resin (number average molecular weight 700 <= 1200)	Category 1
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Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be a skin sensitiser and an irritant. Low molecular epoxy constituents are irritating to eyes, mucous membranes and skin. Repeated skin contact may lead to irritation and to sensitization, possibly with cross-sensitization to other epoxies. Avoid skin and eye contact. Avoid inhalation of vapour or mist.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

Titanium dioxide	Category 3
xylene	Category 3
trizinc bis(orthophosphate)	Category 1
ethylbenzene	Category 2
aluminium hydroxide	Category 1
n-butyl acetate	Category 3
zinc oxide	Category 1

Chronic aquatic toxicity

trizinc bis(orthophosphate)	Category 1
aluminium hydroxide	Category 1
zinc oxide	Category 1

% of unknown composition 20.7%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: yes [trizinc bis(orthophosphate)]
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

16. Other information

Revision Note

Version	Changes
2.0	3, 8, 9, 12

Revision Date: 2015-01-29
 B12488367

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	845R Epoxy Activator
Product code	845R
Intended use of the substance/preparation	Hardener for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute oral toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Flammable liquid and vapour. May be harmful if swallowed. May be harmful if inhaled. Causes skin irritation. Causes serious eye damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.</p>

Precautionary statements	<p>Avoid release to the environment. In case of inadequate ventilation wear respiratory protection. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician. IF exposed or concerned: Get medical advice/ attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If skin irritation or rash occurs: Get medical advice/ attention. Immediately call a POISON CENTER or doctor/ physician. Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep cool.</p>
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Other hazards which do not result in classification

Contains: ethylenediamine; 2,2'-iminodiethylamine. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
71-36-3	n-butanol	30 - 40%	✓	
1330-20-7	xylene	30 - 40%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
35141-30-1	N-(2-aminoethyl)-N'-[3-(trimethoxysilyl)propyl]ethylenediamine	5 - 10%	✓	
107-15-3	ethylenediamine	0.3 - 1.0%	✓	
111-40-0	2,2'-iminodiethylamine	0.1 - 0.3%	✓	
67-56-1	methanol	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 10 - 20%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butanol	CEIL	150 mg/m ³
	CEIL	50 ppm
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
ethylenediamine	TWA	434 mg/m ³
	TWA	10 ppm
2,2'-iminodiethylamine	TWA	25 mg/m ³
	TWA	1 ppm
methanol	TWA	4.2 mg/m ³
	TWA	200 ppm
	STEL	250 ppm
toluene	STEL	328 mg/m ³
	TWA	262 mg/m ³
	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butanol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	65 °C
Flash point	24 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	11.2 %
Lower explosion limit	1 %
Vapour pressure	5.8 hPa
Solubility(ies)	moderate
Vapour density	no data available
Density	0.88 g/cm ³ DIN 53217/ISO 2811

Partition coefficient: n-octanol/water	no data available	
Ignition temperature	340 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

n-butanol	Category 4
xylene	Category 5
ethylbenzene	Category 5
ethylenediamine	Category 4
2,2'-iminodiethylamine	Category 4
methanol	Category 3

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

n-butanol	Category 5
xylene	Category 4
ethylbenzene	Category 4
ethylenediamine	Category 4
2,2'-iminodiethylamine	Category 2
methanol	Category 3
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

n-butanol	Category 2
xylene	Category 2
ethylbenzene	Category 3
N-(2-aminoethyl)-N'-[3-(trimethoxysilyl)propyl]ethylenediamine	Category 1A
ethylenediamine	Category 1B
2,2'-iminodiethylamine	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

n-butanol	Category 1
xylene	Category 2A
ethylbenzene	Category 2B
N-(2-aminoethyl)-N'-[3-(trimethoxysilyl)propyl]ethylenediamine	Category 1
ethylenediamine	Category 1
2,2'-iminodiethylamine	Category 1
methanol	Category 2A
toluene	Category 2B

Respiratory sensitisation

ethylenediamine	Category 1
2,2'-iminodiethylamine	Category 1

Skin sensitisation

N-(2-aminoethyl)-N'-[3-(trimethoxysilyl)propyl]ethylenediamine	Category 1
ethylenediamine	Category 1
2,2'-iminodiethylamine	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

2,2'-iminodiethylamine	Category 1B
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss

of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
ethylbenzene	Category 2
2,2'-iminodiethylamine	Category 3
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 7.1%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute oral toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
1.1	11

Revision Date: 2015-01-13
B12479384

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	901R 2K Plastic Primer (White)
Product code	901R
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
 IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: 2-ethylhexyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
13463-67-7	Titanium dioxide	10 - 20%		
7727-43-7	barium sulphate, natural	5 - 10%		
100-41-4	ethylbenzene	5 - 10%	✓	
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	5 - 10%		
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	3 - 5%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
21645-51-2	aluminium hydroxide	0.3 - 1.0%		
7631-86-9	amorphous Silica	0.3 - 1.0%		
103-11-7	2-ethylhexyl acrylate	0.1 - 0.3%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
xylene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
Titanium dioxide	STEL	950 mg/m ³
	TWA	713 mg/m ³
	TWA	10 mg/m ³
barium sulphate, natural	TWA	10 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	TWA	434 mg/m ³
	TWA	2 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³

 Chemical Name

aluminium hydroxide	TWA	2 mg/m ³
amorphous Silica	TWA	10 mg/m ³
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: white Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	24 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	4.4 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.2 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	60 s	ISO 2431-1993 6 mm

10. Stability and reactivity**Stability**

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
1,2,4-trimethylbenzene	Category 4
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 3
2-ethylhexyl acrylate	Category 2
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

2-ethylhexyl acrylate Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
Titanium dioxide	Category 3
ethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
aluminium hydroxide	Category 1
2-ethylhexyl acrylate	Category 2
cumene	Category 2
toluene	Category 2

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
aluminium hydroxide	Category 1
2-ethylhexyl acrylate	Category 2
cumene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
 B11756164



The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	907R 2K Plastic Primer (Black)
Product code	907R
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
 IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: 2-ethylhexyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
1330-20-7	xylene	20 - 30%	✓	
7727-43-7	barium sulphate, natural	10 - 20%		
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	5 - 10%		
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
1333-86-4	carbon black	0.3 - 1.0%		
103-11-7	2-ethylhexyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	TWA	217 mg/m3
barium sulphate, natural	TWA	10 mg/m3
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m3
	TWA	713 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	TWA	2 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m3
	TWA	123 mg/m3
carbon black	TWA	3 mg/m3
toluene	TWA	50 ppm
	TWA	188 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) ®	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: black Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	24 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	4.7 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.19 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	401 °C	DIN 51794
Decomposition temperature		

Viscosity (23 °C)

| 60 s

ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
1,2,4-trimethylbenzene	Category 4
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3

1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
mesitylene	Category 3
2-ethylhexyl acrylate	Category 2
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

2-ethylhexyl acrylate Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2

2-ethylhexyl acrylate
toluene

Category 2
Category 2

Chronic aquatic toxicity

1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
2-ethylhexyl acrylate	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11756156

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	915R 2K Plastic Activator
Product code	915R
Intended use of the substance/preparation	Hardener for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1D
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling



Hazard symbols

Signal word

Danger

Hazard statements

Flammable liquid and vapour.
May be harmful in contact with skin.
Harmful if inhaled.
Causes skin irritation.
Causes serious eye damage.
May cause an allergic skin reaction.
Suspected of damaging fertility or the unborn child.
Harmful to aquatic life.

Precautionary statements

Avoid release to the environment.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Obtain special instructions before use.
Wear protective gloves/protective clothing/eye protection/face protection.
Avoid breathing dust/ vapours/ spray.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF exposed or concerned: Get medical advice/ attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation or rash occurs: Get medical advice/ attention.
Immediately call a POISON CENTER or doctor/ physician.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains epoxy constituents. See information supplied by the manufacturer. Contains: propane, 1-(p-tert-butylphenoxy)-2,3-epoxy. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
1330-20-7	xylene	60 - 70%	✓	
100-41-4	ethylbenzene	10 - 20%	✓	
71-23-8	propan-1-ol	3 - 5%	✓	
108-88-3	toluene	0.3 - 1.0%	✓	
3101-60-8	propane, 1-(p-tert-butylphenoxy)-2,3-epoxy	0.1 - 0.3%	✓	

Non-regulated ingredients 5 - 10%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
propan-1-ol	TWA	200 ppm
	STEL	250 ppm
	STEL	614 mg/m ³
	TWA	492 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
propan-1-ol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	481 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	24 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	7 %	
Lower explosion limit	1 %	
Vapour pressure	8.7 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.87 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	405 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

The product contains ingredients which, under certain conditions, also may release formaldehyde. If necessary, the precise concentration has to be determined. When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

xylene	Category 4
propan-1-ol	Category 5

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
toluene	Category 5

% of unknown composition 0.1 %

Skin corrosion/irritation

xylene	Category 2
ethylbenzene	Category 3
toluene	Category 2
propane, 1-(p-tert-butylphenoxy)-2,3-epoxy	Category 2

Serious eye damage/eye irritation

xylene	Category 2A
ethylbenzene	Category 2B
propan-1-ol	Category 1
toluene	Category 2B

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

propane, 1-(p-tert-butylphenoxy)-2,3-epoxy	Category 1
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Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbition, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be a skin sensitiser and an irritant. Low molecular epoxy constituents are irritating to eyes, mucous membranes and skin. Repeated skin contact may lead to irritation and to sensitization, possibly with cross-sensitization to other epoxies. Avoid skin and eye contact. Avoid inhalation of vapour or mist.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
ethylbenzene	Category 2
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 3.1%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1D
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note



Version	Changes
1.1	9

Revision Date: 2015-01-13
B11756178

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	1001S White Powdered Pearl
Product code	1001S
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Not classified as a Dangerous Good under NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Causes skin irritation. Causes serious eye damage.
Precautionary statements	Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Hazardous
12001-26-2	Mica	50 - 60%		
13463-67-7	Titanium dioxide	20 - 30%		
111-76-2	2-butoxyethanol	5 - 10%	✓	
No information available.	Tetrachloro- μ -hydroxy(μ -methacrylate-O:O')dichromium	1 - 3%	✓	
18282-10-5	Tin oxide	0.3 - 1.0%	✓	

Non-regulated ingredients 0.0 - 0.1%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid breathing dust. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Water spray
Dry chemical

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures**Personal precautions**

Keep away from sources of ignition. Air out the room. Do not breathe dust. Comply with safety directives (see chapters 7 and 8).

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with a electrically protected vacuum cleaner or by wet brushing and place in container for disposal according to local regulations. Do not use a dry brush as dust clouds or static can be created! Use a suitable vacuum cleaner.

7. Handling and storage**Handling**

It is recommended that advice is taken from a competent occupational health practitioner on the assessment of employees with skin or respiratory complaints before the individual is exposed to the uncured product.

Safe handling advice

Precautions should be taken to prevent the formation of dusts in concentrations above flammable, explosive or occupational exposure limits. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. Keep away from open flames, hot surfaces and sources of ignition. Smoking, eating and drinking should be prohibited in the application area. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection**National occupational exposure limits****Workplace Exposure Standards (WESs) 2002**

Chemical Name		
Mica	TWA	3 mg/m ³
Titanium dioxide	TWA	10 mg/m ³
2-butoxyethanol	TWA	25 ppm
	TWA	121 mg/m ³
Tin oxide	STEL	0.2 mg/m ³
	TWA	0.1 mg/m ³

Engineering measures

Do not breathe dust. Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain exposure to dusts below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

If dust formation exceeds the air concentration limits, then a respiratory protection device approved for this purpose must be worn.

Eye protection

Eye protection (to EN 166/170) designed to protect against exposure to dusts should be worn when there is a likelihood of exposure.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
2-butoxyethanol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Care should be taken in the selection of protective clothing. Avoid contact with the powder on throat and wrists due to possible inflammation and irritation of the skin.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : solid Colour: white Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	Not applicable.	
Flash point	Not applicable.	
Evapouration rate	not applicable	
Flammability		
Upper explosion limit	Not applicable.	
Lower explosion limit	Not applicable.	
Vapour pressure	0.1 hPa	
Solubility(ies)	nil	
Vapour density	no data available	
Density	2.49 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	224 °C	DIN 51794

Decomposition temperature
Viscosity (23 °C) | Not applicable. ISO 2431-1993

Does not sustain combustion.

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

2-butoxyethanol	Category 2
Tetrachloro- μ -hydroxy(μ -methacrylato-O:O')dichromium	Category 2

Serious eye damage/eye irritation

2-butoxyethanol Category 2A
Tetrachloro- μ -hydroxy(μ -methacrylate-O:O')dichromium Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

not hazardous

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

No information available.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Chronic aquatic toxicity

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. Can be landfilled or incinerated, when in compliance with local regulations.

14. Transport information

Not classified as dangerous in the meaning of transport regulations.

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002670
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2015-01-29
B12770644	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet



1. Identification of the substance/mixture and of the company/undertaking

Product name	1002S Red Powdered Pearl
Product code	1002S
Intended use of the substance/preparation	
Coating for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Not classified as a Dangerous Good under NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Skin corrosion/irritation	Category 6.3B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	Not classified according to GHS criteria
Signal word	Warning
Hazard statements	Causes mild skin irritation. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS Hazardous
12001-26-2	Mica	40 - 50%	

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
1309-37-1	Iron oxide	30 - 40%	✓	
64741-65-7	naphtha (petroleum), heavy alkylate (<0,1% benzene)	5 - 10%	✓	

Non-regulated ingredients 1 - 5%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid breathing dust. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Water spray/Dry chemical

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

Personal precautions

Keep away from sources of ignition. Air out the room. Do not breathe dust. Comply with safety directives (see chapters 7 and 8).

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with a electrically protected vacuum cleaner or by wet brushing and place in container for disposal according to local regulations. Do not use a dry brush as dust clouds or static can be created! Use a suitable vacuum cleaner.

7. Handling and storage

Handling

It is recommended that advice is taken from a competent occupational health practitioner on the assessment of employees with skin or respiratory complaints before the individual is exposed to the uncured product.

Safe handling advice

Precautions should be taken to prevent the formation of dusts in concentrations above flammable, explosive or occupational exposure limits. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. Keep away from open flames, hot surfaces and sources of ignition. Smoking, eating and drinking should be prohibited in the application area. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
Mica	TWA	3 mg/m ³
Iron oxide	TWA	5 mg/m ³

Engineering measures

Do not breathe dust. Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain exposure to dusts below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

If dust formation exceeds the air concentration limits, then a respiratory protection device approved for this purpose must be worn.

Eye protection

Eye protection (to EN 166/170) designed to protect against exposure to dusts should be worn when there is a likelihood of exposure.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Glove material	Glove thickness	Break through time
Nitrile rubber	0.33 mm	> 240 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Care should be taken in the selection of protective clothing. Avoid contact with the powder on throat and wrists due to possible inflammation and irritation of the skin.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : solid Colour: red Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	Not applicable.	
Flash point	Not applicable.	
Evaporation rate	not applicable	
Flammability	Not applicable.	
Upper explosion limit	Not applicable.	
Lower explosion limit	Not applicable.	
Vapour pressure	0.1 hPa	
Solubility(ies)	immiscible	
Vapour density	no data available	
Density	2.42 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	355 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

Does not sustain combustion.

10. Stability and reactivity**Stability**

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

Iron oxide	Category 2
naphtha (petroleum), heavy alkylate (<0,1% benzene)	Category 3

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

No information available.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

Iron oxide Category 3

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. Can be landfilled or incinerated, when in compliance with local regulations.



14. Transport information

Not classified as dangerous in the meaning of transport regulations.

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002670
HSNO Classification
Skin corrosion/irritation Category 6.3B
Acute aquatic toxicity Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2015-01-29
B12770563	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	1003S Bronze Powdered Pearl
Product code	1003S
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Not classified as a Dangerous Good under NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Causes skin irritation. Causes serious eye irritation. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. If eye irritation persists: Get medical advice/ attention.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
12001-26-2	Mica	50 - 60%		
1309-37-1	Iron oxide	30 - 40%	✓	
111-76-2	2-butoxyethanol	5 - 10%	✓	
No information available.	Tetrachloro- μ -hydroxy(μ -methacrylate-O:O')dichromium	1 - 3%	✓	

Non-regulated ingredients 0.0 - 0.1%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid breathing dust. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Water spray/Dry chemical

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

Personal precautions

Keep away from sources of ignition. Air out the room. Do not breathe dust. Comply with safety directives (see chapters 7 and 8).

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with a electrically protected vacuum cleaner or by wet brushing and place in container for disposal according to local regulations. Do not use a dry brush as dust clouds or static can be created! Use a suitable vacuum cleaner.

7. Handling and storage

Handling

It is recommended that advice is taken from a competent occupational health practitioner on the assessment of employees with skin or respiratory complaints before the individual is exposed to the uncured product.

Safe handling advice

Precautions should be taken to prevent the formation of dusts in concentrations above flammable, explosive or occupational exposure limits. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. Keep away from open flames, hot surfaces and sources of ignition. Smoking, eating and drinking should be prohibited in the application area. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
Mica	TWA	3 mg/m ³
Iron oxide	TWA	5 mg/m ³
2-butoxyethanol	TWA	25 ppm
	TWA	121 mg/m ³

Engineering measures

Do not breathe dust. Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain exposure to dusts below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

If dust formation exceeds the air concentration limits, then a respiratory protection device approved for this purpose must be worn.

Eye protection

Eye protection (to EN 166/170) designed to protect against exposure to dusts should be worn when there is a likelihood of exposure.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
2-butoxyethanol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Care should be taken in the selection of protective clothing. Avoid contact with the powder on throat and wrists due to possible inflammation and irritation of the skin.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : solid Colour: bronze Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	Not applicable.	
Flash point	Not applicable.	
Evapouration rate	not applicable	
Flammability		
Upper explosion limit	Not applicable.	
Lower explosion limit	Not applicable.	
Vapour pressure	0.1 hPa	
Solubility(ies)	immiscible	
Vapour density	no data available	
Density	2.59 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	224 °C	DIN 51794

Decomposition temperature
Viscosity (23 °C) | Not applicable. ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

Iron oxide	Category 2
2-butoxyethanol	Category 2
Tetrachloro- μ -hydroxy(μ -methacrylato-O:O')dichromium	Category 2

Serious eye damage/eye irritation

Iron oxide	Category 1
2-butoxyethanol	Category 2A
Tetrachloro- μ -hydroxy(μ -methacrylato-O:O')dichromium	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

not hazardous

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

No information available.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

Iron oxide Category 3

Chronic aquatic toxicity

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

**Other adverse effects**

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. Can be landfilled or incinerated, when in compliance with local regulations.

14. Transport information

Not classified as dangerous in the meaning of transport regulations.

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002670
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Acute aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2015-01-29
B12770585	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	1004S Blue Powdered Pearl
Product code	1004S
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Not classified as a Dangerous Good under NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Causes skin irritation. Causes serious eye damage.
Precautionary statements	Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Hazardous
12001-26-2	Mica	40 - 50%		
13463-67-7	Titanium dioxide	40 - 50%		
111-76-2	2-butoxyethanol	5 - 10%	✓	
No information available.	Tetrachloro- μ -hydroxy(μ -methacrylate-O:O')dichromium	1 - 3%	✓	
18282-10-5	Tin oxide	0.3 - 1.0%	✓	

Non-regulated ingredients 0.0 - 0.1%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid breathing dust. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Water spray
Dry chemical

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures**Personal precautions**

Keep away from sources of ignition. Air out the room. Do not breathe dust. Comply with safety directives (see chapters 7 and 8).

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with a electrically protected vacuum cleaner or by wet brushing and place in container for disposal according to local regulations. Do not use a dry brush as dust clouds or static can be created! Use a suitable vacuum cleaner.

7. Handling and storage**Handling**

It is recommended that advice is taken from a competent occupational health practitioner on the assessment of employees with skin or respiratory complaints before the individual is exposed to the uncured product.

Safe handling advice

Precautions should be taken to prevent the formation of dusts in concentrations above flammable, explosive or occupational exposure limits. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. Keep away from open flames, hot surfaces and sources of ignition. Smoking, eating and drinking should be prohibited in the application area. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection**National occupational exposure limits****Workplace Exposure Standards (WESs) 2002**

Chemical Name		
Mica	TWA	3 mg/m ³
Titanium dioxide	TWA	10 mg/m ³
2-butoxyethanol	TWA	25 ppm
	TWA	121 mg/m ³
Tin oxide	STEL	0.2 mg/m ³
	TWA	0.1 mg/m ³

Engineering measures

Do not breathe dust. Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain exposure to dusts below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

If dust formation exceeds the air concentration limits, then a respiratory protection device approved for this purpose must be worn.

Eye protection

Eye protection (to EN 166/170) designed to protect against exposure to dusts should be worn when there is a likelihood of exposure.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
2-butoxyethanol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Care should be taken in the selection of protective clothing. Avoid contact with the powder on throat and wrists due to possible inflammation and irritation of the skin.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : solid Colour: blue Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	Not applicable.	
Flash point	Not applicable.	
Evapouration rate	not applicable	
Flammability		
Upper explosion limit	Not applicable.	
Lower explosion limit	Not applicable.	
Vapour pressure	0.1 hPa	
Solubility(ies)	nil	
Vapour density	no data available	
Density	2.54 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	224 °C	DIN 51794

Decomposition temperature
Viscosity (23 °C) | Not applicable. ISO 2431-1993

Does not sustain combustion.

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

2-butoxyethanol	Category 2
Tetrachloro- μ -hydroxy(μ -methacrylato-O:O')dichromium	Category 2

Serious eye damage/eye irritation

2-butoxyethanol Category 2A
Tetrachloro- μ -hydroxy(μ -methacrylato-O:O')dichromium Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

not hazardous

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

No information available.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Chronic aquatic toxicity

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. Can be landfilled or incinerated, when in compliance with local regulations.

14. Transport information

Not classified as dangerous in the meaning of transport regulations.

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002670
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2015-01-29
B12770617	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	1005S Gold Powdered Pearl
Product code	1005S
Intended use of the substance/preparation	
Coating for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Not classified as a Dangerous Good under NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Causes skin irritation. Causes serious eye irritation.
Precautionary statements	Wear protective gloves/protective clothing/eye protection/face protection. If eye irritation persists: Get medical advice/ attention.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Hazardous
12001-26-2	Mica	50 - 60%		
13463-67-7	Titanium dioxide	30 - 40%		
111-76-2	2-butoxyethanol	5 - 10%	✓	
No information available.	Tetrachloro- μ -hydroxy(μ -methacrylate-O:O')dichromium	1 - 3%	✓	
18282-10-5	Tin oxide	0.3 - 1.0%	✓	

Non-regulated ingredients 0.0 - 0.1%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid breathing dust. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Water spray
Dry chemical

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

Personal precautions

Keep away from sources of ignition. Air out the room. Do not breathe dust. Comply with safety directives (see chapters 7 and 8).

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with a electrically protected vacuum cleaner or by wet brushing and place in container for disposal according to local regulations. Do not use a dry brush as dust clouds or static can be created! Use a suitable vacuum cleaner.

7. Handling and storage

Handling

It is recommended that advice is taken from a competent occupational health practitioner on the assessment of employees with skin or respiratory complaints before the individual is exposed to the uncured product.

Safe handling advice

Precautions should be taken to prevent the formation of dusts in concentrations above flammable, explosive or occupational exposure limits. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. Keep away from open flames, hot surfaces and sources of ignition. Smoking, eating and drinking should be prohibited in the application area. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
Mica	TWA	3 mg/m ³
Titanium dioxide	TWA	10 mg/m ³
2-butoxyethanol	TWA	25 ppm
	TWA	121 mg/m ³
Tin oxide	STEL	0.2 mg/m ³
	TWA	0.1 mg/m ³

Engineering measures

Do not breathe dust. Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain exposure to dusts below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

If dust formation exceeds the air concentration limits, then a respiratory protection device approved for this purpose must be worn.

Eye protection

Eye protection (to EN 166/170) designed to protect against exposure to dusts should be worn when there is a likelihood of exposure.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
2-butoxyethanol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Care should be taken in the selection of protective clothing. Avoid contact with the powder on throat and wrists due to possible inflammation and irritation of the skin.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : solid Colour: gold Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	Not applicable.	
Flash point	Not applicable.	
Evapouration rate	not applicable	
Flammability		
Upper explosion limit	Not applicable.	
Lower explosion limit	Not applicable.	
Vapour pressure	0.1 hPa	
Solubility(ies)	immiscible	
Vapour density	no data available	
Density	2.49 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	224 °C	DIN 51794

Decomposition temperature
Viscosity (23 °C) | Not applicable. ISO 2431-1993

Does not sustain combustion.

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

2-butoxyethanol	Category 2
Tetrachloro- μ -hydroxy(μ -methacrylato-O:O')dichromium	Category 2

Serious eye damage/eye irritation

2-butoxyethanol Category 2A
Tetrachloro- μ -hydroxy(μ -methacrylate-O:O')dichromium Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

not hazardous

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

No information available.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Chronic aquatic toxicity

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. Can be landfilled or incinerated, when in compliance with local regulations.

14. Transport information

Not classified as dangerous in the meaning of transport regulations.

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002670
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2015-01-29
B12770533	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	1006S Copper Powdered Pearl
Product code	1006S
Intended use of the substance/preparation	
Dispersion used in coating manufacturing (for professional use)	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Not classified as a Dangerous Good under NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. Causes skin irritation. Causes serious eye damage. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
12001-26-2	Mica	40 - 50%		
1309-37-1	Iron oxide	30 - 40%	✓	
111-76-2	2-butoxyethanol	5 - 10%	✓	
No informa- tion available.	Tetrachloro- μ -hydroxy(μ -methacrylato- O:O')dichromium	1 - 3%	✓	

Non-regulated ingredients 0.0 - 0.1%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
Mica	TWA	3 mg/m ³
Iron oxide	TWA	5 mg/m ³
2-butoxyethanol	TWA	25 ppm
	TWA	121 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
2-butoxyethanol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: brown Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	Not applicable.
Flash point	0 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	Not applicable.
Lower explosion limit	Not applicable.
Vapour pressure	0.1 hPa
Solubility(ies)	nil
Vapour density	no data available
Density	2.59 g/cm ³ DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available

Ignition temperature	224 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

Does not sustain combustion.

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

Iron oxide	Category 2
2-butoxyethanol	Category 2
Tetrachloro- μ -hydroxy(μ -methacrylato-O:O')dichromium	Category 2

Serious eye damage/eye irritation

Iron oxide	Category 1
2-butoxyethanol	Category 2A
Tetrachloro- μ -hydroxy(μ -methacrylato-O:O')dichromium	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

not hazardous

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbition, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

Iron oxide Category 3

Chronic aquatic toxicity

% of unknown composition 0%

Persistence and degradability

No information available.

**Bioaccumulation**

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

Not classified as dangerous in the meaning of transport regulations.

Not classified as supporting combustion according to the transport regulations.

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2015-01-29
B12732050	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	1007S Violet Powdered Pearl
Product code	1007S
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Not classified as a Dangerous Good under NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Causes skin irritation. Causes serious eye irritation.
Precautionary statements	Wear protective gloves/protective clothing/eye protection/face protection. If eye irritation persists: Get medical advice/ attention.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Hazardous
12001-26-2	Mica	40 - 50%		
13463-67-7	Titanium dioxide	40 - 50%		
111-76-2	2-butoxyethanol	5 - 10%	✓	
No information available.	Tetrachloro- μ -hydroxy(μ -methacrylate-O:O')dichromium	1 - 3%	✓	
18282-10-5	Tin oxide	0.3 - 1.0%	✓	

Non-regulated ingredients 0.0 - 0.1%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid breathing dust. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Water spray
Dry chemical

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures**Personal precautions**

Keep away from sources of ignition. Air out the room. Do not breathe dust. Comply with safety directives (see chapters 7 and 8).

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with a electrically protected vacuum cleaner or by wet brushing and place in container for disposal according to local regulations. Do not use a dry brush as dust clouds or static can be created! Use a suitable vacuum cleaner.

7. Handling and storage**Handling**

It is recommended that advice is taken from a competent occupational health practitioner on the assessment of employees with skin or respiratory complaints before the individual is exposed to the uncured product.

Safe handling advice

Precautions should be taken to prevent the formation of dusts in concentrations above flammable, explosive or occupational exposure limits. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. Keep away from open flames, hot surfaces and sources of ignition. Smoking, eating and drinking should be prohibited in the application area. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection**National occupational exposure limits****Workplace Exposure Standards (WESs) 2002**

Chemical Name		
Mica	TWA	3 mg/m ³
Titanium dioxide	TWA	10 mg/m ³
2-butoxyethanol	TWA	25 ppm
	TWA	121 mg/m ³
Tin oxide	STEL	0.2 mg/m ³
	TWA	0.1 mg/m ³

Engineering measures

Do not breathe dust. Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain exposure to dusts below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

If dust formation exceeds the air concentration limits, then a respiratory protection device approved for this purpose must be worn.

Eye protection

Eye protection (to EN 166/170) designed to protect against exposure to dusts should be worn when there is a likelihood of exposure.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
2-butoxyethanol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Care should be taken in the selection of protective clothing. Avoid contact with the powder on throat and wrists due to possible inflammation and irritation of the skin.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : solid Colour: violet Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	Not applicable.	
Flash point	Not applicable.	
Evapouration rate	not applicable	
Flammability		
Upper explosion limit	Not applicable.	
Lower explosion limit	Not applicable.	
Vapour pressure	0.1 hPa	
Solubility(ies)	immiscible	
Vapour density	no data available	
Density	2.54 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	224 °C	DIN 51794

Decomposition temperature
Viscosity (23 °C) | Not applicable. ISO 2431-1993

Does not sustain combustion.

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

2-butoxyethanol	Category 2
Tetrachloro- μ -hydroxy(μ -methacrylato-O:O')dichromium	Category 2

Serious eye damage/eye irritation

2-butoxyethanol Category 2A
Tetrachloro- μ -hydroxy(μ -methacrylate-O:O')dichromium Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

not hazardous

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

No information available.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Chronic aquatic toxicity

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. Can be landfilled or incinerated, when in compliance with local regulations.

14. Transport information

Not classified as dangerous in the meaning of transport regulations.

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002670
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2015-01-29
B12770637	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	1008S Moss Green Powdered Pearl
Product code	1008S
Intended use of the substance/preparation	
Coating for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Not classified as a Dangerous Good under NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Causes skin irritation. Causes serious eye irritation.
Precautionary statements	Wear protective gloves/protective clothing/eye protection/face protection. If eye irritation persists: Get medical advice/ attention.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
13463-67-7	Titanium dioxide	40 - 50%		
12001-26-2	Mica	20 - 30%		
111-76-2	2-butoxyethanol	5 - 10%	✓	
No information available.	Tetrachloro- μ -hydroxy(μ -methacrylate-O:O')dichromium	1 - 3%	✓	

Non-regulated ingredients 10 - 20%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid breathing dust. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Water spray/Dry chemical

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

Personal precautions

Keep away from sources of ignition. Air out the room. Do not breathe dust. Comply with safety directives (see chapters 7 and 8).

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with a electrically protected vacuum cleaner or by wet brushing and place in container for disposal according to local regulations. Do not use a dry brush as dust clouds or static can be created! Use a suitable vacuum cleaner.

7. Handling and storage

Handling

It is recommended that advice is taken from a competent occupational health practitioner on the assessment of employees with skin or respiratory complaints before the individual is exposed to the uncured product.

Safe handling advice

Precautions should be taken to prevent the formation of dusts in concentrations above flammable, explosive or occupational exposure limits. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. Keep away from open flames, hot surfaces and sources of ignition. Smoking, eating and drinking should be prohibited in the application area. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
Titanium dioxide	TWA	10 mg/m ³
Mica	TWA	3 mg/m ³
2-butoxyethanol	TWA	25 ppm
	TWA	121 mg/m ³

Engineering measures

Do not breathe dust. Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain exposure to dusts below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

If dust formation exceeds the air concentration limits, then a respiratory protection device approved for this purpose must be worn.

Eye protection

Eye protection (to EN 166/170) designed to protect against exposure to dusts should be worn when there is a likelihood of exposure.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
2-butoxyethanol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Care should be taken in the selection of protective clothing. Avoid contact with the powder on throat and wrists due to possible inflammation and irritation of the skin.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : solid Colour: green Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	Not applicable.	
Flash point	Not applicable.	
Evapouration rate	not applicable	
Flammability		
Upper explosion limit	Not applicable.	
Lower explosion limit	Not applicable.	
Vapour pressure	0.1 hPa	
Solubility(ies)	immiscible	
Vapour density	no data available	
Density	2.79 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	224 °C	DIN 51794

Decomposition temperature
Viscosity (23 °C) | Not applicable. ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

2-butoxyethanol	Category 2
Tetrachloro- μ -hydroxy(μ -methacrylato-O:O')dichromium	Category 2

Serious eye damage/eye irritation

2-butoxyethanol Category 2A
Tetrachloro- μ -hydroxy(μ -methacrylate-O:O')dichromium Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

not hazardous

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

No information available.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

Titanium dioxide Category 3

Chronic aquatic toxicity

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

**Other adverse effects**

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. Can be landfilled or incinerated, when in compliance with local regulations.

14. Transport information

Not classified as dangerous in the meaning of transport regulations.

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002670
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2015-01-29
B10360337	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet



1. Identification of the substance/mixture and of the company/undertaking

Product name	1009S Super Green Powdered Pearl
Product code	1009S
Intended use of the substance/preparation	
Pigment used in coating manufacturing (for professional use)	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Not classified as a Dangerous Good under NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Skin corrosion/irritation Category 6.3B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	Not classified according to GHS criteria
Signal word	Warning
Hazard statements	Causes mild skin irritation.
Precautionary statements	Not classified according to GHS criteria

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS Hazardous
12001-26-2	Mica	30 - 40%	
64741-65-7	naphtha (petroleum), heavy alkylate (<0,1% benzene)	5 - 10%	√

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
18282-10-5	Tin oxide	0.3 - 1.0%	√	

Non-regulated ingredients 50 - 60%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Avoid heating above flash point. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
Mica	TWA	3 mg/m ³
Tin oxide	STEL	0.2 mg/m ³
	TWA	0.1 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Glove material	Glove thickness	Break through time
Nitrile rubber	0.33 mm	60 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: pearl Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	Not applicable.	
Flash point	Not applicable.	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	Not applicable.	
Lower explosion limit	Not applicable.	
Vapour pressure	0.1 hPa	
Solubility(ies)	nil	
Vapour density	no data available	
Density	2.59 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	355 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

Does not sustain combustion.

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

naphtha (petroleum), heavy alkylate (<0,1% benzene) Category 3

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

not hazardous

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

No information available.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

Not classified as dangerous in the meaning of transport regulations.

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

**National regulatory information**

HSNO Approval Code HSR002670
HSNO Classification
Skin corrosion/irritation Category 6.3B

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29
B12802655

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	1010R Activator (Fast Dry)
Product code	1010R
Intended use of the substance/preparation	
Hardener for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Highly flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.</p>

Harmful to aquatic life with long lasting effects.

Precautionary statements

Avoid release to the environment.
 In case of inadequate ventilation wear respiratory protection.
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Keep container tightly closed.
 Obtain special instructions before use.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Avoid breathing dust/ vapours/ spray.
 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.
 IF exposed or concerned: Get medical advice/ attention.
 If eye irritation persists: Get medical advice/ attention.
 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains isocyanates. See information supplied by the manufacturer. Contains: hexamethylene-di-isocyanate; m-tolylidene diisocyanate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
123-86-4	n-butyl acetate	20 - 30%	✓	
53317-61-6	aromatic polyisocyanate	20 - 30%	✓	
28182-81-2	Hexamethylene diisocyanate, oligomers	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
141-78-6	ethyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	3 - 5%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
822-06-0	hexamethylene-di-isocyanate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	
26471-62-5	m-tolylidene diisocyanate	0.1 - 0.3%	✓	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. Skin contact may cause skin sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts), concentrated (d : 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts), water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in non-sealed container. Once this stage is reached, close container and dispose according to local regulations (see section 13).

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
Hexamethylene diisocyanate, oligomers	STEL	0.07 mg/m ³
	TWA	0.02 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m ³
ethylbenzene	TWA	100 ppm

 Chemical Name

	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
hexamethylene-di-isocyanate	STEL	0.07 mg/m ³
	TWA	0.02 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. Air-fed protective respiratory equipment must be worn by spray operator even when good ventilation is provided.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

For spraying: air-fed respirator. For operations other than spraying: in well ventilated areas, air-fed respirators could be replaced by a combination of charcoal filter and particulate filter mask.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) [®]	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product

compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	77 °C	
Flash point	16 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	11 %	
Lower explosion limit	1 %	
Vapour pressure	12.6 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents and strongly acid or alkaline materials. Amines and alcohols cause exothermic reactions. Mixture reacts slowly with water resulting in evolution of CO₂. Evolution of CO₂ in closed containers causes overpressure and produces a risk of bursting.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen as well as hydrogen cyanide, amines, alcohols and water.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

Hexamethylene diisocyanate, oligomers	Category 4
xylene	Category 4
ethylbenzene	Category 4
1,2,4-trimethylbenzene	Category 4
hexamethylene-di-isocyanate	Category 1
toluene	Category 5
m-tolylidene diisocyanate	Category 1

% of unknown composition 21 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
ethyl acetate	Category 3
ethylbenzene	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
mesitylene	Category 3
hexamethylene-di-isocyanate	Category 1C
toluene	Category 2
m-tolylidene diisocyanate	Category 2

Serious eye damage/eye irritation

aromatic polyisocyanate	Category 2A
xylene	Category 2A
ethyl acetate	Category 2A
ethylbenzene	Category 2B
2-methoxy-1-methylethyl acetate	Category 2A
1,2,4-trimethylbenzene	Category 2A
mesitylene	Category 2A
hexamethylene-di-isocyanate	Category 1

toluene	Category 2B
m-tolyldiene diisocyanate	Category 2A

Respiratory sensitisation

Hexamethylene diisocyanate, oligomers	Category 1
hexamethylene-di-isocyanate	Category 1
m-tolyldiene diisocyanate	Category 1

Skin sensitisation

aromatic polyisocyanate	Category 1
Hexamethylene diisocyanate, oligomers	Category 1
hexamethylene-di-isocyanate	Category 1
m-tolyldiene diisocyanate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

m-tolyldiene diisocyanate	Category 2
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Toxicity for reproduction

toluene	Category 2
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Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Based on the properties of the isocyanate components and considering toxicological data on similar products, the following applies: This formulation may cause acute irritation and/or sensitization of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Components of the product may be absorbed into the body through the skin.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
xylene	Category 3
ethylbenzene	Category 2
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
hexamethylene-di-isocyanate	Category 3
toluene	Category 2
m-tolyldiene diisocyanate	Category 1

Chronic aquatic toxicity

1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
hexamethylene-di-isocyanate	Category 3
m-tolyldiene diisocyanate	Category 3

% of unknown composition 21%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II



Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002669
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B11934029

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	1010S Red Satin Powdered Pearl
Product code	1010S
Intended use of the substance/preparation	Intermediate
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Not classified as a Dangerous Good under NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Causes skin irritation. Causes serious eye irritation. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. If eye irritation persists: Get medical advice/ attention.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
1309-37-1	Iron oxide	50 - 60%	✓	
12001-26-2	Mica	30 - 40%		
111-76-2	2-butoxyethanol	5 - 10%	✓	
No information available.	Tetrachloro- μ -hydroxy(μ -methacrylate-O:O')dichromium	1 - 3%	✓	

Non-regulated ingredients 0.0 - 0.1%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid breathing dust. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Water spray/Dry chemical

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

Personal precautions

Keep away from sources of ignition. Air out the room. Do not breathe dust. Comply with safety directives (see chapters 7 and 8).

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with a electrically protected vacuum cleaner or by wet brushing and place in container for disposal according to local regulations. Do not use a dry brush as dust clouds or static can be created! Use a suitable vacuum cleaner.

7. Handling and storage

Handling

It is recommended that advice is taken from a competent occupational health practitioner on the assessment of employees with skin or respiratory complaints before the individual is exposed to the uncured product.

Safe handling advice

Precautions should be taken to prevent the formation of dusts in concentrations above flammable, explosive or occupational exposure limits. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. Keep away from open flames, hot surfaces and sources of ignition. Smoking, eating and drinking should be prohibited in the application area. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
Iron oxide	TWA	5 mg/m ³
Mica	TWA	3 mg/m ³
2-butoxyethanol	TWA	25 ppm
	TWA	121 mg/m ³

Engineering measures

Do not breathe dust. Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain exposure to dusts below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

If dust formation exceeds the air concentration limits, then a respiratory protection device approved for this purpose must be worn.

Eye protection

Eye protection (to EN 166/170) designed to protect against exposure to dusts should be worn when there is a likelihood of exposure.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
2-butoxyethanol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Care should be taken in the selection of protective clothing. Avoid contact with the powder on throat and wrists due to possible inflammation and irritation of the skin.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : solid Colour: red Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	Not applicable.	
Flash point	Not applicable.	
Evapouration rate	not applicable	
Flammability		
Upper explosion limit	Not applicable.	
Lower explosion limit	Not applicable.	
Vapour pressure	0.1 hPa	
Solubility(ies)	immiscible	
Vapour density	no data available	
Density	2.71 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	224 °C	DIN 51794

Decomposition temperature
Viscosity (23 °C) | Not applicable. ISO 2431-1993

Does not sustain combustion.

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

Iron oxide	Category 2
2-butoxyethanol	Category 2
Tetrachloro- μ -hydroxy(μ -methacrylato-O:O')dichromium	Category 2

Serious eye damage/eye irritation

Iron oxide	Category 1
2-butoxyethanol	Category 2A
Tetrachloro- μ -hydroxy(μ -methacrylato-O:O')dichromium	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

not hazardous

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

No information available.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

Iron oxide Category 3

Chronic aquatic toxicity

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

**Other adverse effects**

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. Can be landfilled or incinerated, when in compliance with local regulations.

14. Transport information

Not classified as dangerous in the meaning of transport regulations.

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002670
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Acute aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B10359681

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	1011S Lustre Satin Pearl
Product code	1011S
Intended use of the substance/preparation	
Coating for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Not classified as a Dangerous Good under NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Causes skin irritation. Causes serious eye irritation.
Precautionary statements	Wear protective gloves/protective clothing/eye protection/face protection. If eye irritation persists: Get medical advice/ attention.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Hazardous
12001-26-2	Mica	40 - 50%		
13463-67-7	Titanium dioxide	30 - 40%		
111-76-2	2-butoxyethanol	5 - 10%	✓	
No information available.	Tetrachloro- μ -hydroxy(μ -methacrylate-O:O')dichromium	1 - 3%	✓	
18282-10-5	Tin oxide	0.3 - 1.0%	✓	

Non-regulated ingredients 0.0 - 0.1%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid breathing dust. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Water spray
Dry chemical

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

Personal precautions

Keep away from sources of ignition. Air out the room. Do not breathe dust. Comply with safety directives (see chapters 7 and 8).

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with a electrically protected vacuum cleaner or by wet brushing and place in container for disposal according to local regulations. Do not use a dry brush as dust clouds or static can be created! Use a suitable vacuum cleaner.

7. Handling and storage

Handling

It is recommended that advice is taken from a competent occupational health practitioner on the assessment of employees with skin or respiratory complaints before the individual is exposed to the uncured product.

Safe handling advice

Precautions should be taken to prevent the formation of dusts in concentrations above flammable, explosive or occupational exposure limits. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. Keep away from open flames, hot surfaces and sources of ignition. Smoking, eating and drinking should be prohibited in the application area. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
Mica	TWA	3 mg/m ³
Titanium dioxide	TWA	10 mg/m ³
2-butoxyethanol	TWA	25 ppm
	TWA	121 mg/m ³
Tin oxide	STEL	0.2 mg/m ³
	TWA	0.1 mg/m ³

Engineering measures

Do not breathe dust. Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain exposure to dusts below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

If dust formation exceeds the air concentration limits, then a respiratory protection device approved for this purpose must be worn.

Eye protection

Eye protection (to EN 166/170) designed to protect against exposure to dusts should be worn when there is a likelihood of exposure.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
2-butoxyethanol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Care should be taken in the selection of protective clothing. Avoid contact with the powder on throat and wrists due to possible inflammation and irritation of the skin.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : solid Colour: white Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	Not applicable.	
Flash point	Not applicable.	
Evapouration rate	not applicable	
Flammability		
Upper explosion limit	Not applicable.	
Lower explosion limit	Not applicable.	
Vapour pressure	0.1 hPa	
Solubility(ies)	immiscible	
Vapour density	no data available	
Density	2.54 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	224 °C	DIN 51794

Decomposition temperature
Viscosity (23 °C) | Not applicable. ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

2-butoxyethanol	Category 2
Tetrachloro- μ -hydroxy(μ -methacrylato-O:O')dichromium	Category 2

Serious eye damage/eye irritation

2-butoxyethanol Category 2A
Tetrachloro- μ -hydroxy(μ -methacrylato-O:O')dichromium Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

not hazardous

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

No information available.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Chronic aquatic toxicity

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. Can be landfilled or incinerated, when in compliance with local regulations.

14. Transport information

Not classified as dangerous in the meaning of transport regulations.

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002670
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B10364465

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	1012S Satin Blue Pearl
Product code	1012S
Intended use of the substance/preparation	
Coating for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Not classified as a Dangerous Good under NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Causes skin irritation. Causes serious eye irritation.
Precautionary statements	Wear protective gloves/protective clothing/eye protection/face protection. If eye irritation persists: Get medical advice/ attention.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Hazardous
13463-67-7	Titanium dioxide	50 - 60%		
12001-26-2	Mica	30 - 40%		
111-76-2	2-butoxyethanol	5 - 10%	✓	
No information available.	Tetrachloro- μ -hydroxy(μ -methacrylate-O:O')dichromium	1 - 3%	✓	
18282-10-5	Tin oxide	0.3 - 1.0%	✓	

Non-regulated ingredients 0.0 - 0.1%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid breathing dust. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Water spray
Dry chemical

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures**Personal precautions**

Keep away from sources of ignition. Air out the room. Do not breathe dust. Comply with safety directives (see chapters 7 and 8).

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with a electrically protected vacuum cleaner or by wet brushing and place in container for disposal according to local regulations. Do not use a dry brush as dust clouds or static can be created! Use a suitable vacuum cleaner.

7. Handling and storage**Handling**

It is recommended that advice is taken from a competent occupational health practitioner on the assessment of employees with skin or respiratory complaints before the individual is exposed to the uncured product.

Safe handling advice

Precautions should be taken to prevent the formation of dusts in concentrations above flammable, explosive or occupational exposure limits. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. Keep away from open flames, hot surfaces and sources of ignition. Smoking, eating and drinking should be prohibited in the application area. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection**National occupational exposure limits****Workplace Exposure Standards (WESs) 2002**

Chemical Name		
Titanium dioxide	TWA	10 mg/m ³
Mica	TWA	3 mg/m ³
2-butoxyethanol	TWA	25 ppm
	TWA	121 mg/m ³
Tin oxide	STEL	0.2 mg/m ³
	TWA	0.1 mg/m ³

Engineering measures

Do not breathe dust. Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain exposure to dusts below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

If dust formation exceeds the air concentration limits, then a respiratory protection device approved for this purpose must be worn.

Eye protection

Eye protection (to EN 166/170) designed to protect against exposure to dusts should be worn when there is a likelihood of exposure.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
2-butoxyethanol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Care should be taken in the selection of protective clothing. Avoid contact with the powder on throat and wrists due to possible inflammation and irritation of the skin.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : solid Colour: blue Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	Not applicable.	
Flash point	Not applicable.	
Evapouration rate	not applicable	
Flammability		
Upper explosion limit	Not applicable.	
Lower explosion limit	Not applicable.	
Vapour pressure	0.1 hPa	
Solubility(ies)	immiscible	
Vapour density	no data available	
Density	2.55 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	224 °C	DIN 51794

Decomposition temperature
Viscosity (23 °C) | Not applicable. ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

2-butoxyethanol	Category 2
Tetrachloro- μ -hydroxy(μ -methacrylato-O:O')dichromium	Category 2

Serious eye damage/eye irritation

2-butoxyethanol Category 2A
Tetrachloro- μ -hydroxy(μ -methacrylato-O:O')dichromium Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

not hazardous

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

No information available.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Chronic aquatic toxicity

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. Can be landfilled or incinerated, when in compliance with local regulations.

14. Transport information

Not classified as dangerous in the meaning of transport regulations.

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002670
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
B12161638	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet



1. Identification of the substance/mixture and of the company/undertaking

Product name	1013S Orange Hi-Lite Pearl
Product code	1013S
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Not classified as a Dangerous Good under NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Skin corrosion/irritation Category 6.3B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	Not classified according to GHS criteria
Signal word	Warning
Hazard statements	Causes mild skin irritation.
Precautionary statements	Not classified according to GHS criteria

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS Hazardous
12001-26-2	Mica	40 - 50%	
64741-65-7	naphtha (petroleum), heavy alkylate (<0,1% benzene)	5 - 10%	√

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
18282-10-5	Tin oxide	0.3 - 1.0%	√	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid breathing dust. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Water spray/Dry chemical

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

Personal precautions

Keep away from sources of ignition. Air out the room. Do not breathe dust. Comply with safety directives (see chapters 7 and 8).

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with a electrically protected vacuum cleaner or by wet brushing and place in container for disposal according to local regulations. Do not use a dry brush as dust clouds or static can be created! Use a suitable vacuum cleaner.

7. Handling and storage

Handling

It is recommended that advice is taken from a competent occupational health practitioner on the assessment of employees with skin or respiratory complaints before the individual is exposed to the uncured product.

Safe handling advice

Precautions should be taken to prevent the formation of dusts in concentrations above flammable, explosive or occupational exposure limits. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. Keep away from open flames, hot surfaces and sources of ignition. Smoking, eating and drinking should be prohibited in the application area. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
Mica	TWA	3 mg/m ³
Tin oxide	STEL	0.2 mg/m ³
	TWA	0.1 mg/m ³

Engineering measures

Do not breathe dust. Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain exposure to dusts below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

If dust formation exceeds the air concentration limits, then a respiratory protection device approved for this purpose must be worn.

Eye protection

Eye protection (to EN 166/170) designed to protect against exposure to dusts should be worn when there is a likelihood of exposure.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Glove material	Glove thickness	Break through time
Nitrile rubber	0.33 mm	> 240 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Care should be taken in the selection of protective clothing. Avoid contact with the powder on throat and wrists due to possible inflammation and irritation of the skin.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : solid Colour: orange Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	Not applicable.	
Flash point	Not applicable.	
Evaporation rate	not applicable	
Flammability	Not applicable.	
Upper explosion limit	Not applicable.	
Lower explosion limit	Not applicable.	
Vapour pressure	0.1 hPa	
Solubility(ies)	immiscible	
Vapour density	no data available	
Density	2.6 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	355 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

Does not sustain combustion.

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

naphtha (petroleum), heavy alkylate (<0,1% benzene) Category 3

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

not hazardous

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

No information available.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. Can be landfilled or incinerated, when in compliance with local regulations.

14. Transport information

Not classified as dangerous in the meaning of transport regulations.

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.



15. Regulatory information

National regulatory information

HSNO Approval Code HSR002670
HSNO Classification
Skin corrosion/irritation Category 6.3B

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
B10364471	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	1014S Satin Red Pearl
Product code	1014S
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Not classified as a Dangerous Good under NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Causes skin irritation. Causes serious eye irritation.
Precautionary statements	Wear protective gloves/protective clothing/eye protection/face protection. If eye irritation persists: Get medical advice/ attention.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Hazardous
12001-26-2	Mica	40 - 50%		
13463-67-7	Titanium dioxide	30 - 40%		
111-76-2	2-butoxyethanol	5 - 10%	✓	
No information available.	Tetrachloro- μ -hydroxy(μ -methacrylate-O:O')dichromium	1 - 3%	✓	
18282-10-5	Tin oxide	0.3 - 1.0%	✓	

Non-regulated ingredients 0.0 - 0.1%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid breathing dust. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Water spray
Dry chemical

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

Personal precautions

Keep away from sources of ignition. Air out the room. Do not breathe dust. Comply with safety directives (see chapters 7 and 8).

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with a electrically protected vacuum cleaner or by wet brushing and place in container for disposal according to local regulations. Do not use a dry brush as dust clouds or static can be created! Use a suitable vacuum cleaner.

7. Handling and storage

Handling

It is recommended that advice is taken from a competent occupational health practitioner on the assessment of employees with skin or respiratory complaints before the individual is exposed to the uncured product.

Safe handling advice

Precautions should be taken to prevent the formation of dusts in concentrations above flammable, explosive or occupational exposure limits. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. Keep away from open flames, hot surfaces and sources of ignition. Smoking, eating and drinking should be prohibited in the application area. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
Mica	TWA	3 mg/m ³
Titanium dioxide	TWA	10 mg/m ³
2-butoxyethanol	TWA	25 ppm
	TWA	121 mg/m ³
Tin oxide	STEL	0.2 mg/m ³
	TWA	0.1 mg/m ³

Engineering measures

Do not breathe dust. Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain exposure to dusts below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

If dust formation exceeds the air concentration limits, then a respiratory protection device approved for this purpose must be worn.

Eye protection

Eye protection (to EN 166/170) designed to protect against exposure to dusts should be worn when there is a likelihood of exposure.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
2-butoxyethanol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Care should be taken in the selection of protective clothing. Avoid contact with the powder on throat and wrists due to possible inflammation and irritation of the skin.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : solid Colour: red Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	Not applicable.	
Flash point	Not applicable.	
Evapouration rate	not applicable	
Flammability		
Upper explosion limit	Not applicable.	
Lower explosion limit	Not applicable.	
Vapour pressure	0.1 hPa	
Solubility(ies)	immiscible	
Vapour density	no data available	
Density	2.5 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	224 °C	DIN 51794

Decomposition temperature
Viscosity (23 °C) | Not applicable. ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

2-butoxyethanol	Category 2
Tetrachloro- μ -hydroxy(μ -methacrylato-O:O')dichromium	Category 2

Serious eye damage/eye irritation

2-butoxyethanol Category 2A
Tetrachloro- μ -hydroxy(μ -methacrylate-O:O')dichromium Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

not hazardous

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

No information available.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Chronic aquatic toxicity

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. Can be landfilled or incinerated, when in compliance with local regulations.

14. Transport information

Not classified as dangerous in the meaning of transport regulations.

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002670
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B12770667

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	1015S Blue Green Pearl
Product code	1015S
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Not classified as a Dangerous Good under NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Causes skin irritation. Causes serious eye irritation.
Precautionary statements	Wear protective gloves/protective clothing/eye protection/face protection. If eye irritation persists: Get medical advice/ attention.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
12001-26-2	Mica	30 - 40%		
13463-67-7	Titanium dioxide	30 - 40%		
111-76-2	2-butoxyethanol	5 - 10%	✓	
No information available.	Tetrachloro- μ -hydroxy(μ -methacrylate-O:O')dichromium	1 - 3%	✓	

Non-regulated ingredients 5 - 10%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid breathing dust. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Water spray/Dry chemical

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

Personal precautions

Keep away from sources of ignition. Air out the room. Do not breathe dust. Comply with safety directives (see chapters 7 and 8).

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with a electrically protected vacuum cleaner or by wet brushing and place in container for disposal according to local regulations. Do not use a dry brush as dust clouds or static can be created! Use a suitable vacuum cleaner.

7. Handling and storage

Handling

It is recommended that advice is taken from a competent occupational health practitioner on the assessment of employees with skin or respiratory complaints before the individual is exposed to the uncured product.

Safe handling advice

Precautions should be taken to prevent the formation of dusts in concentrations above flammable, explosive or occupational exposure limits. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. Keep away from open flames, hot surfaces and sources of ignition. Smoking, eating and drinking should be prohibited in the application area. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
Mica	TWA	3 mg/m ³
Titanium dioxide	TWA	10 mg/m ³
2-butoxyethanol	TWA	25 ppm
	TWA	121 mg/m ³

Engineering measures

Do not breathe dust. Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain exposure to dusts below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

If dust formation exceeds the air concentration limits, then a respiratory protection device approved for this purpose must be worn.

Eye protection

Eye protection (to EN 166/170) designed to protect against exposure to dusts should be worn when there is a likelihood of exposure.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
2-butoxyethanol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Care should be taken in the selection of protective clothing. Avoid contact with the powder on throat and wrists due to possible inflammation and irritation of the skin.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : solid Colour: green Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	Not applicable.	
Flash point	Not applicable.	
Evapouration rate	not applicable	
Flammability		
Upper explosion limit	Not applicable.	
Lower explosion limit	Not applicable.	
Vapour pressure	0.1 hPa	
Solubility(ies)	immiscible	
Vapour density	no data available	
Density	2.79 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	224 °C	DIN 51794

Decomposition temperature
Viscosity (23 °C) | Not applicable. ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

2-butoxyethanol	Category 2
Tetrachloro- μ -hydroxy(μ -methacrylato-O:O')dichromium	Category 2

Serious eye damage/eye irritation

2-butoxyethanol Category 2A
Tetrachloro- μ -hydroxy(μ -methacrylate-O:O')dichromium Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

not hazardous

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

No information available.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

Titanium dioxide Category 3

Chronic aquatic toxicity

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

**Other adverse effects**

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. Can be landfilled or incinerated, when in compliance with local regulations.

14. Transport information

Not classified as dangerous in the meaning of transport regulations.

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002670
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
B10364491	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	1018S Medium White Pearl
Product code	1018S
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Not classified as a Dangerous Good under NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Causes skin irritation. Causes serious eye damage.
Precautionary statements	Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Hazardous
12001-26-2	Mica	40 - 50%		
13463-67-7	Titanium dioxide	30 - 40%		
111-76-2	2-butoxyethanol	5 - 10%	✓	
18282-10-5	Tin oxide	1 - 3%	✓	
No information available.	Tetrachloro- μ -hydroxy(μ -methacrylate-O:O')dichromium	1 - 3%	✓	

Non-regulated ingredients 0.0 - 0.1%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid breathing dust. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Water spray/Dry chemical

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures**Personal precautions**

Keep away from sources of ignition. Air out the room. Do not breathe dust. Comply with safety directives (see chapters 7 and 8).

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with a electrically protected vacuum cleaner or by wet brushing and place in container for disposal according to local regulations. Do not use a dry brush as dust clouds or static can be created! Use a suitable vacuum cleaner.

7. Handling and storage**Handling**

It is recommended that advice is taken from a competent occupational health practitioner on the assessment of employees with skin or respiratory complaints before the individual is exposed to the uncured product.

Safe handling advice

Precautions should be taken to prevent the formation of dusts in concentrations above flammable, explosive or occupational exposure limits. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. Keep away from open flames, hot surfaces and sources of ignition. Smoking, eating and drinking should be prohibited in the application area. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection**National occupational exposure limits****Workplace Exposure Standards (WESs) 2002**

Chemical Name		
Mica	TWA	3 mg/m ³
Titanium dioxide	TWA	10 mg/m ³
2-butoxyethanol	TWA	25 ppm
	TWA	121 mg/m ³
Tin oxide	STEL	0.2 mg/m ³
	TWA	0.1 mg/m ³

Engineering measures

Do not breathe dust. Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain exposure to dusts below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

If dust formation exceeds the air concentration limits, then a respiratory protection device approved for this purpose must be worn.

Eye protection

Eye protection (to EN 166/170) designed to protect against exposure to dusts should be worn when there is a likelihood of exposure.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
2-butoxyethanol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Care should be taken in the selection of protective clothing. Avoid contact with the powder on throat and wrists due to possible inflammation and irritation of the skin.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : solid Colour: white Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	Not applicable.	
Flash point	Not applicable.	
Evapouration rate	not applicable	
Flammability		
Upper explosion limit	Not applicable.	
Lower explosion limit	Not applicable.	
Vapour pressure	0.1 hPa	
Solubility(ies)	immiscible	
Vapour density	no data available	
Density	2.5 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	224 °C	DIN 51794

Decomposition temperature
Viscosity (23 °C) | Not applicable. ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Dust generated from this product may be irritating to the respiratory tract.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

Dust generated from this product may cause irritation of the eyes. Repeated or prolonged contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

2-butoxyethanol	Category 2
Tetrachloro- μ -hydroxy(μ -methacrylato-O:O')dichromium	Category 2

Serious eye damage/eye irritation

2-butoxyethanol Category 2A
Tetrachloro- μ -hydroxy(μ -methacrylato-O:O')dichromium Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

not hazardous

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

No information available.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Chronic aquatic toxicity

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. Can be landfilled or incinerated, when in compliance with local regulations.

14. Transport information

Not classified as dangerous in the meaning of transport regulations.

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002670
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B12343764

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	1025R Primer Thinner
Product code	1025R
Intended use of the substance/preparation	
Thinner for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Aspiration toxicity	Category 6.1E
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Highly flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.</p>

Precautionary statements

Avoid release to the environment.
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Obtain special instructions before use.
Wear protective gloves/protective clothing/eye protection/face protection.
Do NOT induce vomiting.
IF exposed or concerned: Get medical advice/ attention.
If eye irritation persists: Get medical advice/ attention.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
108-88-3	toluene	20 - 30%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	10 - 20%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
141-78-6	ethyl acetate	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
95-63-6	1,2,4-trimethylbenzene	5 - 10%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
108-67-8	mesitylene	1 - 3%	✓	
98-82-8	cumene	0.3 - 1.0%	✓	

Non-regulated ingredients 1 - 5%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection**National occupational exposure limits****Workplace Exposure Standards (WESs) 2002**

Chemical Name		
toluene	TWA	50 ppm
n-butyl acetate	TWA	188 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethyl acetate	TWA	713 mg/m ³
	TWA	200 ppm
xylene	TWA	720 mg/m ³
	TWA	50 ppm
1,2,4-trimethylbenzene	TWA	217 mg/m ³
	TWA	25 ppm
	TWA	123 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
mesitylene	TWA	434 mg/m ³
	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
cumene	TWA	123 mg/m ³
	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) [®]	0.7 mm	480 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	77 °C
Flash point	9 °C
Evaporation rate	Slower than Ether

Flammability		
Upper explosion limit	11 %	
Lower explosion limit	0.9 %	
Vapour pressure	30.2 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.88 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

toluene	Category 5
xylene	Category 4
1,2,4-trimethylbenzene	Category 4
ethylbenzene	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

toluene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
n-butyl acetate	Category 3
ethyl acetate	Category 3
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
mesitylene	Category 3

Serious eye damage/eye irritation

toluene	Category 2B
ethyl acetate	Category 2A
xylene	Category 2A
1,2,4-trimethylbenzene	Category 2A
ethylbenzene	Category 2B
mesitylene	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

- Skin Absorption

Body weight effects ethyl acetate

Central nervous system 1,2,4-trimethylbenzene

Aspiration toxicity

toluene	Category 1
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 1
xylene	Category 2
1,2,4-trimethylbenzene	Category 1
ethylbenzene	Category 2
mesitylene	Category 1
cumene	Category 1

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

toluene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
n-butyl acetate	Category 3
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Aspiration toxicity	Category 6.1E
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B11994492

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the



specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	1030R Non Sanding Convertor (For 1040R)
Product code	1030R
Intended use of the substance/preparation	Intermediate
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Highly flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.</p>

Precautionary statements

Avoid release to the environment.
 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Keep container tightly closed.
 Obtain special instructions before use.
 Wear protective gloves/protective clothing/eye protection/face protection.
 IF exposed or concerned: Get medical advice/ attention.
 If eye irritation persists: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains epoxy constituents. See information supplied by the manufacturer. Contains: 2,3-epoxypropyl neodecanoate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
1330-20-7	xylene	20 - 30%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	10 - 20%	✓	
141-78-6	ethyl acetate	10 - 20%	✓	
108-88-3	toluene	10 - 20%	✓	
95-63-6	1,2,4-trimethylbenzene	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
108-67-8	mesitylene	1 - 3%	✓	
98-82-8	cumene	0.3 - 1.0%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	0.3 - 1.0%	✓	
26761-45-5	2,3-epoxypropyl neodecanoate	0.1 - 0.3%	✓	

Non-regulated ingredients 10 - 20%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
ethyl acetate	TWA	217 mg/m ³
toluene	TWA	200 ppm
1,2,4-trimethylbenzene	TWA	720 mg/m ³
ethylbenzene	TWA	50 ppm
mesitylene	TWA	188 mg/m ³
cumene	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) ®	0.7 mm	30 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) ®	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	77 °C
Flash point	8 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	11 %
Lower explosion limit	0.9 %
Vapour pressure	26.3 hPa

Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.9 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	425 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

Does not sustain combustion.

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
toluene	Category 5
1,2,4-trimethylbenzene	Category 4
ethylbenzene	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
ethyl acetate	Category 3
toluene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
mesitylene	Category 3

Serious eye damage/eye irritation

xylene	Category 2A
ethyl acetate	Category 2A
toluene	Category 2B
1,2,4-trimethylbenzene	Category 2A
ethylbenzene	Category 2B
mesitylene	Category 2A
2-methoxy-1-methylethyl acetate	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

2,3-epoxypropyl neodecanoate Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

- Skin Absorption

Body weight effects ethyl acetate

Central nervous system 1,2,4-trimethylbenzene

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged

contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be a skin sensitiser and an irritant. Low molecular epoxy constituents are irritating to eyes, mucous membranes and skin. Repeated skin contact may lead to irritation and to sensitization, possibly with cross-sensitization to other epoxies. Avoid skin and eye contact. Avoid inhalation of vapour or mist.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
toluene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2
2,3-epoxypropyl neodecanoate	Category 2

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2
2,3-epoxypropyl neodecanoate	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Packing group: II
 Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: II
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
 B11934597

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.



End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	1040R Universal HS Primer (Lt Grey)
Product code	1040R
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
 IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains epoxy constituents. See information supplied by the manufacturer. Contains: 2,3-epoxypropyl neodecanoate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
7727-43-7	barium sulphate, natural	10 - 20%		
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	10 - 20%		
13463-67-7	Titanium dioxide	10 - 20%		
1330-20-7	xylene	10 - 20%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
123-86-4	n-butyl acetate	1 - 3%	✓	
7779-90-0	trizinc bis(orthophosphate)	1 - 3%	✓	
21645-51-2	aluminium hydroxide	0.3 - 1.0%		
7631-86-9	amorphous Silica	0.3 - 1.0%		
1317-61-9	Black iron oxide	0.3 - 1.0%		
1314-13-2	zinc oxide	0.3 - 1.0%	✓	
546-93-0	magnesium carbonate	0.1 - 0.3%		
100-37-8	2-diethylaminoethanol	0.1 - 0.3%	✓	
26761-45-5	2,3-epoxypropyl neodecanoate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	
85203-81-2	fatty acids, C6-19-branched, zinc salts	0.1 - 0.3%	✓	

Non-regulated ingredients 10 - 20%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
barium sulphate, natural	TWA	10 mg/m3
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	TWA	2 mg/m3
Titanium dioxide	TWA	10 mg/m3
xylene	TWA	50 ppm
	TWA	217 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
n-butyl acetate	TWA	434 mg/m3
	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m3
	TWA	713 mg/m3
trizinc bis(orthophosphate)	TWA	10 mg/m3
aluminium hydroxide	TWA	2 mg/m3
amorphous Silica	TWA	10 mg/m3
Black iron oxide	TWA	1 mg/m3
zinc oxide	STEL	10 mg/m3

 Chemical Name

	TWA	5 mg/m ³
magnesium carbonate	TWA	10 mg/m ³
2-diethylaminoethanol	TWA	10 ppm
	TWA	48 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
2-butoxyethyl acetate	Viton (R) [®]	0.7 mm	480 m
	Nitrile rubber	0.33 mm	480 m
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: grey Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	27 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	7 %	
Lower explosion limit	1 %	
Vapour pressure	2.4 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.5 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	>100 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-butoxyethyl acetate	Category 4
2-diethylaminoethanol	Category 4
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
ethylbenzene	Category 3
n-butyl acetate	Category 3
2-diethylaminoethanol	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

2,3-epoxypropyl neodecanoate Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene	Category 2
fatty acids, C6-19-branched, zinc salts	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be a skin sensitiser and an irritant. Low molecular epoxy constituents are irritating to eyes, mucous membranes and skin. Repeated skin contact may lead to irritation and to sensitization, possibly with cross-sensitization to other epoxies. Avoid skin and eye contact. Avoid inhalation of vapour or mist.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

Titanium dioxide	Category 3
xylene	Category 3
ethylbenzene	Category 2
2-butoxyethyl acetate	Category 3
n-butyl acetate	Category 3
trizinc bis(orthophosphate)	Category 1
aluminium hydroxide	Category 1
zinc oxide	Category 1
2-diethylaminoethanol	Category 3
2,3-epoxypropyl neodecanoate	Category 2
toluene	Category 2
fatty acids, C6-19-branched, zinc salts	Category 1

Chronic aquatic toxicity

trizinc bis(orthophosphate)	Category 1
aluminium hydroxide	Category 1
zinc oxide	Category 1
2-diethylaminoethanol	Category 4
2,3-epoxypropyl neodecanoate	Category 2
fatty acids, C6-19-branched, zinc salts	Category 3

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
B11817214	



The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	1051R High Productive Surfacers (White)
Product code	1051R
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Causes mild skin irritation. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
1317-65-3	Limestone (calcium carbonate)	20 - 30%		
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	10 - 20%		
13463-67-7	Titanium dioxide	10 - 20%		
1330-20-7	xylene	5 - 10%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
110-12-3	5-methylhexan-2-one	1 - 3%	✓	
21645-51-2	aluminium hydroxide	0.3 - 1.0%		
7631-86-9	amorphous Silica	0.3 - 1.0%		
64-19-7	acetic acid	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Chemical Name

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name

n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
Limestone (calcium carbonate)	TWA	10 mg/m ³
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	TWA	2 mg/m ³
Titanium dioxide	TWA	10 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
5-methylhexan-2-one	TWA	50 ppm
	TWA	234 mg/m ³
aluminium hydroxide	TWA	2 mg/m ³
amorphous Silica	TWA	10 mg/m ³
acetic acid	TWA	10 ppm
	STEL	15 ppm
	STEL	37 mg/m ³
	TWA	25 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: white Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	24 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.2 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.43 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	> 100 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
ethylbenzene	Category 3
5-methylhexan-2-one	Category 3
acetic acid	Category 1A

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
Titanium dioxide	Category 3
xylene	Category 3
ethylbenzene	Category 2
aluminium hydroxide	Category 1

% of unknown composition 2.7%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662

HSNO Classification

Skin corrosion/irritation Category 6.3B

Flammable liquids Category 3.1C

Acute aquatic toxicity Category 9.1C

16. Other information

Revision Note

Version	Changes
2.2	3

Revision Date: 2015-01-29
B12956561



The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	1056R High Productive Surfacer (Dark Grey)
Product code	1056R
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Causes mild skin irritation. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
1317-65-3	Limestone (calcium carbonate)	20 - 30%		
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	10 - 20%		
7727-43-7	barium sulphate, natural	5 - 10%		
1330-20-7	xylene	5 - 10%	✓	
13463-67-7	Titanium dioxide	3 - 5%		
100-41-4	ethylbenzene	1 - 3%	✓	
110-12-3	5-methylhexan-2-one	1 - 3%	✓	
1333-86-4	carbon black	0.3 - 1.0%		
64-19-7	acetic acid	0.1 - 0.3%	✓	
21645-51-2	aluminium hydroxide	0.1 - 0.3%		
7631-86-9	amorphous Silica	0.1 - 0.3%		
14808-60-7	Quartz (SiO ₂)	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits Workplace Exposure Standards (WESs) 2002

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
Limestone (calcium carbonate)	TWA	10 mg/m ³
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	TWA	2 mg/m ³
barium sulphate, natural	TWA	10 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
Titanium dioxide	TWA	10 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
5-methylhexan-2-one	TWA	50 ppm
	TWA	234 mg/m ³
carbon black	TWA	3 mg/m ³
acetic acid	TWA	10 ppm
	STEL	15 ppm
	STEL	37 mg/m ³
	TWA	25 mg/m ³
aluminium hydroxide	TWA	2 mg/m ³
amorphous Silica	TWA	10 mg/m ³
Quartz (SiO ₂)	TWA	0.2 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: grey Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	24 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.4 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.39 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	999 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
ethylbenzene	Category 3
5-methylhexan-2-one	Category 3
acetic acid	Category 1A

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
xylene	Category 3
Titanium dioxide	Category 3
ethylbenzene	Category 2
aluminium hydroxide	Category 1

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662

HSNO Classification

Skin corrosion/irritation Category 6.3B

Flammable liquids Category 3.1C

Acute aquatic toxicity Category 9.1C



16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-08
B12097957

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	1057R High Productive Surfacer (Black)
Product code	1057R
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Causes mild skin irritation. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
1317-65-3	Limestone (calcium carbonate)	20 - 30%		
7727-43-7	barium sulphate, natural	10 - 20%		
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	10 - 20%		
1330-20-7	xylene	5 - 10%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
110-12-3	5-methylhexan-2-one	1 - 3%	✓	
1333-86-4	carbon black	0.3 - 1.0%		
13463-67-7	Titanium dioxide	0.3 - 1.0%		
64-19-7	acetic acid	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Chemical Name

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name

n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
Limestone (calcium carbonate)	TWA	10 mg/m ³
barium sulphate, natural	TWA	10 mg/m ³
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	TWA	2 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
5-methylhexan-2-one	TWA	434 mg/m ³
	TWA	50 ppm
	TWA	234 mg/m ³
carbon black	TWA	3 mg/m ³
Titanium dioxide	TWA	10 mg/m ³
acetic acid	TWA	10 ppm
	STEL	15 ppm
	STEL	37 mg/m ³
	TWA	25 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: black Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	24 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.2 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.41 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	> 100 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
ethylbenzene	Category 3
5-methylhexan-2-one	Category 3
acetic acid	Category 1A

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
xylene	Category 3
ethylbenzene	Category 2
Titanium dioxide	Category 3

% of unknown composition 2.7%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code HSR002662

HSNO Classification

Skin corrosion/irritation Category 6.3B

Flammable liquids Category 3.1C

Acute aquatic toxicity Category 9.1C

16. Other information

Revision Note

Version	Changes
2.2	3

Revision Date: 2015-01-29
B12956546

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation,



disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	1225R HS Fill Primer Thinner
Product code	1225R
Intended use of the substance/preparation	
Thinner for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Aspiration toxicity	Category 6.1E
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling



Hazard symbols

Signal word

Danger

Hazard statements

Highly flammable liquid and vapour.
May be harmful if inhaled.
Causes skin irritation.
Suspected of damaging fertility or the unborn child.
May cause damage to organs through prolonged or repeated exposure.
May be fatal if swallowed and enters airways.
Harmful to aquatic life.
Harmful to aquatic life with long lasting effects.

Precautionary statements

Avoid release to the environment.
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Keep container tightly closed.
 Obtain special instructions before use.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Do NOT induce vomiting.
 IF exposed or concerned: Get medical advice/ attention.
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
110-19-0	isobutyl acetate	20 - 30%	✓	
108-88-3	toluene	20 - 30%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	10 - 20%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
95-63-6	1,2,4-trimethylbenzene	5 - 10%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
108-67-8	mesitylene	1 - 3%	✓	
103-65-1	n-propylbenzene	1 - 3%	✓	
98-82-8	cumene	0.3 - 1.0%	✓	
78-83-1	iso-butanol	0.1 - 0.3%	✓	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection**National occupational exposure limits****Workplace Exposure Standards (WESs) 2002**

Chemical Name		
isobutyl acetate	TWA	150 ppm
	TWA	713 mg/m3
toluene	TWA	50 ppm
	TWA	188 mg/m3
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m3
	TWA	713 mg/m3
xylene	TWA	50 ppm
	TWA	217 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m3
	TWA	123 mg/m3
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m3
	TWA	125 mg/m3
iso-butanol	TWA	50 ppm
	TWA	152 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) ®	0.7 mm	30 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odour: Characteristic Solvent Odor Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	108 °C
Flash point	12 °C
Evaporation rate	Slower than Ether
Flammability	

Upper explosion limit	10.5 %	
Lower explosion limit	0.9 %	
Vapour pressure	14.9 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.87 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

toluene	Category 5
xylene	Category 4
1,2,4-trimethylbenzene	Category 4
ethylbenzene	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

isobutyl acetate	Category 2
toluene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
n-butyl acetate	Category 3
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
mesitylene	Category 3
n-propylbenzene	Category 3
iso-butanol	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

- Skin Absorption

Central nervous system 1,2,4-trimethylbenzene

Aspiration toxicity

isobutyl acetate	Category 1
toluene	Category 1
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 1
xylene	Category 2
1,2,4-trimethylbenzene	Category 1
ethylbenzene	Category 2
mesitylene	Category 1
n-propylbenzene	Category 1
cumene	Category 1
iso-butanol	Category 1

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

isobutyl acetate	Category 3
toluene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
n-butyl acetate	Category 3
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2
mesitylene	Category 2
n-propylbenzene	Category 2
cumene	Category 2

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
n-propylbenzene	Category 2
cumene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Packing group: II
 Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: II
 Marine Pollutant: yes [solvent naphtha (petroleum), light arom. (<0,1% benzene)]
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Aspiration toxicity	Category 6.1E
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
	B12157807

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or



in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	1500S One Step Polishing Compound
Product code	1500S
Intended use of the substance/preparation	
Polish for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Not classified as a Dangerous Good under NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1D
Skin corrosion/irritation	Category 6.3B
Carcinogenicity	Category 6.7B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Combustible liquid Causes mild skin irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.
Precautionary statements	Keep away from open flames/hot surfaces. - No smoking. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Obtain special instructions before use. Use personal protective equipment as required. IF exposed or concerned: Get medical advice/ attention. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	20 - 30%	✓	
14808-60-7	Quartz (SiO ₂)	10 - 20%	✓	
56-81-5	Glycerin	5 - 10%		
1332-58-7	Kaolin	3 - 5%		
8012-95-1	Mineral oil	3 - 5%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
1309-37-1	Iron oxide	0.0 - 0.1%	✓	
13463-67-7	Titanium dioxide	0.0 - 0.1%		

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Avoid heating above flash point. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Chemical Name

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name

Quartz (SiO ₂)	TWA	0.2 mg/m ³
Glycerin	TWA	10 mg/m ³
Kaolin	TWA	2 mg/m ³
Mineral oil	STEL	10 mg/m ³
	TWA	5 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
Iron oxide	TWA	5 mg/m ³
Titanium dioxide	TWA	10 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Glove material	Glove thickness	Break through time
Nitrile rubber	0.33 mm	60 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	100 °C	
Flash point	71 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	6 %	
Lower explosion limit	0.5 %	
Vapour pressure	0.9 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	1.09 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	355 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

Not classified according to GHS criteria

% of unknown composition 0 %

Skin corrosion/irritation

Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
Mineral oil	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 3
Iron oxide	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Quartz (SiO ₂)	Category 1A
Mineral oil	Category 2

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

- **Skin Absorption**

Skin Mineral oil

Central nervous system 1,2,4-trimethylbenzene

- **Inhalation**

Lungs Mineral oil

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

Not classified as dangerous in the meaning of transport regulations.

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

**National regulatory information**

HSNO Approval Code	HSR002680
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
Carcinogenicity	Category 6.7B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Flammable liquids	Category 3.1D

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B13104225

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	2310S TBXX Plastic Clean Paste
Product code	2310S
Intended use of the substance/preparation Putty for professional use	
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Not classified as a Dangerous Good under NZS 5433
Not classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Not classified according to GHS criteria

GHS-Labeling

Hazard symbols	Not classified according to GHS criteria
Signal word	Not classified according to GHS criteria
Hazard statements	Not classified according to GHS criteria
Precautionary statements	Not classified according to GHS criteria

Other hazards which do not result in classification

Safety data sheet available for professional user on request.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS Hazardous
56-81-5	Glycerin	3 - 5%	
102-71-6	tri-ethanolamine	0.1 - 0.3%	

Non-regulated ingredients 90 - 100%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Water spray, Dry chemical, Foam.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Avoid heating above flash point. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
Glycerin	TWA	10 mg/m ³
tri-ethanolamine	TWA	5 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Glove material	Glove thickness	Break through time
Nitrile rubber	0.33 mm	60 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance

group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: green Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	100 °C	
Flash point	Not applicable.	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	Not applicable.	
Lower explosion limit	Not applicable.	
Vapour pressure	0.0 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	1.5 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	401 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

Does not sustain combustion.

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

Not classified according to GHS criteria

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

No information available.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

Not classified as dangerous in the meaning of transport regulations.

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002670
HSNO Classification



Version	Changes
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16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B12806498

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	2311S TBXX Dupont Sanding Paste
Product code	2311S
Intended use of the substance/preparation	Cleaning agent for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Not classified as a Dangerous Good under NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Skin corrosion/irritation	Category 6.3B
Skin sensitisation	Category 6.5B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Causes mild skin irritation. May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Wear protective gloves/protective clothing/eye protection/face protection. Get medical advice/ attention if you feel unwell. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
68476-25-5	Sodium aluminum silicate	40 - 50%		
14808-60-7	Quartz (SiO ₂)	5 - 10%	✓	
102-71-6	tri-ethanolamine	1 - 3%		
5989-27-5	dipentene	1 - 3%	✓	
56-81-5	Glycerin	1 - 3%		

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Water spray, Dry chemical, Foam.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Avoid heating above flash point. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Chemical Name

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
Sodium aluminum silicate	TWA	2 mg/m ³
Quartz (SiO ₂)	TWA	0.2 mg/m ³
tri-ethanolamine	TWA	5 mg/m ³
Glycerin	TWA	10 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Glove material	Glove thickness	Break through time
Nitrile rubber	0.33 mm	60 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: white Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	100 °C	
Flash point	Not applicable.	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	Not applicable.	
Lower explosion limit	Not applicable.	
Vapour pressure	0.1 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	1.48 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	237 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

Does not sustain combustion.

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

Not classified according to GHS criteria

% of unknown composition 0 %

Skin corrosion/irritationtri-ethanolamine Category 3
dipentene Category 2**Serious eye damage/eye irritation**

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

dipentene Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure• **Skin Absorption**

Kidney dipentene

Liver dipentene

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

No information available.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

dipentene Category 1

Chronic aquatic toxicity

dipentene Category 1

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

Not classified as dangerous in the meaning of transport regulations.

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002670
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
Skin sensitisation	Category 6.5B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
1250059035	



The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	2322S ACN350 Adhesion Promoter
Product code	2322S
Intended use of the substance/preparation	Intermediate
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8A
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling



Hazard symbols

Signal word

Danger

Hazard statements

Highly flammable liquid and vapour.
May be harmful in contact with skin.
May be harmful if inhaled.
Causes skin irritation.
May cause an allergic skin reaction.
May damage fertility or the unborn child.
May cause damage to organs through prolonged or repeated exposure.
Harmful to aquatic life.

Precautionary statements

Avoid release to the environment.
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Keep container tightly closed.
 Obtain special instructions before use.
 Wear protective gloves/protective clothing/eye protection/face protection.
 IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains epoxy constituents. See information supplied by the manufacturer. Contains: epoxy resin (number average molecular weight \leq 700). May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
108-88-3	toluene	40 - 50%	✓	
1330-20-7	xylene	30 - 40%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
108-90-7	chlorobenzene	0.3 - 1.0%	✓	
123-86-4	n-butyl acetate	0.3 - 1.0%	✓	
872-50-4	N-methyl-2-pyrrolidone	0.3 - 1.0%	✓	
25068-38-6	epoxy resin (number average molecular weight \leq 700)	0.1 - 0.3%	✓	

Non-regulated ingredients 10 - 20%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
toluene	TWA	50 ppm
xylene	TWA	188 mg/m ³
ethylbenzene	TWA	50 ppm
	TWA	217 mg/m ³
chlorobenzene	TWA	100 ppm
	STEL	125 ppm
n-butyl acetate	STEL	543 mg/m ³
	TWA	434 mg/m ³
N-methyl-2-pyrrolidone	TWA	10 ppm
	TWA	46 mg/m ³
N-methyl-2-pyrrolidone	TWA	150 ppm
	STEL	200 ppm
N-methyl-2-pyrrolidone	STEL	950 mg/m ³
	TWA	713 mg/m ³
N-methyl-2-pyrrolidone	TWA	25 ppm
	STEL	75 ppm
N-methyl-2-pyrrolidone	STEL	309 mg/m ³
	TWA	103 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
N-methyl-2-pyrrolidone	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	60 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: transparent Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	109 °C	
Flash point	-5 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	7 %	
Lower explosion limit	1 %	
Vapour pressure	16.3 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.89 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	430 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

xylene Category 4

Acute inhalation toxicity

toluene	Category 5
xylene	Category 4
ethylbenzene	Category 4
chlorobenzene	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

toluene	Category 2
xylene	Category 2
ethylbenzene	Category 3
chlorobenzene	Category 2

n-butyl acetate	Category 3
N-methyl-2-pyrrolidone	Category 2
epoxy resin (number average molecular weight \leq 700)	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisationepoxy resin (number average molecular weight \leq 700) Category 1**Germ cell mutagenicity**

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene	Category 2
N-methyl-2-pyrrolidone	Category 1B

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

No data available.

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be a skin sensitizer and an irritant. Low molecular epoxy constituents are irritating to eyes, mucous membranes and skin. Repeated skin contact may lead to irritation and to sensitization, possibly with cross-sensitization to other epoxies. Avoid skin and eye contact. Avoid inhalation of vapour or mist.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

toluene	Category 2
xylene	Category 3
ethylbenzene	Category 2
chlorobenzene	Category 1
n-butyl acetate	Category 3
epoxy resin (number average molecular weight \leq 700)	Category 1

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Packing group: II
Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)



Proper shipping name: PAINT RELATED MATERIAL
UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8A
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B12806504

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	2350S NCN620 Flex Additive
Product code	2350S
Intended use of the substance/preparation	Intermediate
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute oral toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling



Hazard symbols

Signal word

Danger

Hazard statements

Highly flammable liquid and vapour.
May be harmful if swallowed.
May be harmful if inhaled.
Causes mild skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
Harmful to aquatic life.
Harmful to aquatic life with long lasting effects.

Precautionary statements

Avoid release to the environment.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Avoid breathing dust/ vapours/ spray.
 Call a POISON CENTER or doctor/ physician if you feel unwell.
 If eye irritation persists: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate; methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
78-93-3	butanone	10 - 20%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
110-43-0	heptan-2-one	5 - 10%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	3 - 5%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) seba- cate	0.3 - 1.0%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl se- bacate	0.1 - 0.3%	✓	
1330-20-7	xylene	0.1 - 0.3%	✓	

Non-regulated ingredients 50 - 60%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m ³
	TWA	445 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
heptan-2-one	TWA	50 ppm
	TWA	233 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³

 Chemical Name

	TWA	125 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
butanone	Viton (R) [®]	0.7 mm	10 min
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	78 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	11 %	
Lower explosion limit	0.9 %	
Vapour pressure	19.4 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.96 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	393 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:
Acute oral toxicity

butanone	Category 5
heptan-2-one	Category 4
1,2,4-trimethylbenzene	Category 5
cumene	Category 5
xylene	Category 5

Acute dermal toxicity

Not classified according to GHS criteria

Acute inhalation toxicity

heptan-2-one	Category 4
1,2,4-trimethylbenzene	Category 4
xylene	Category 4

% of unknown composition 56.5 %

Skin corrosion/irritation

butanone	Category 3
n-butyl acetate	Category 3
heptan-2-one	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 3
xylene	Category 2

Serious eye damage/eye irritation

butanone	Category 2A
heptan-2-one	Category 2B
1,2,4-trimethylbenzene	Category 2A
mesitylene	Category 2A
xylene	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
heptan-2-one	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
cumene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
xylene	Category 3

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
cumene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

% of unknown composition 56.5%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Packing group: II
 Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: II
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute oral toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note



Version	Changes
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1.0	
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Revision Date: 2014-12-05
B12871641

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	3000S Polishing Compound
Product code	3000S
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 8.3A
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Flammable liquid and vapour. Causes mild skin irritation. Causes serious eye damage. May cause damage to organs. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life.
Precautionary statements	Wear eye protection/ face protection. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	30 - 40%	✓	
56-81-5	Glycerin	5 - 10%		
1332-58-7	Kaolin	5 - 10%		
111-42-2	Diethanolamine	3 - 5%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha	3 - 5%	✓	
14808-60-7	Quartz (SiO ₂)	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
100-41-4	ethylbenzene	0.1 - 0.3%	✓	
1309-37-1	Iron oxide	0.1 - 0.3%	✓	
111-65-9	octane	0.1 - 0.3%	✓	
13463-67-7	Titanium dioxide	0.1 - 0.3%		

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Avoid heating above flash point. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection**National occupational exposure limits****Workplace Exposure Standards (WESs) 2002**

Chemical Name		
Glycerin	TWA	10 mg/m ³
Kaolin	TWA	2 mg/m ³
Diethanolamine	TWA	3 ppm
	TWA	13 mg/m ³
Quartz (SiO ₂)	TWA	0.2 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
Iron oxide	TWA	5 mg/m ³
octane	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m ³
	TWA	1,400 mg/m ³
Titanium dioxide	TWA	10 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Glove material	Glove thickness	Break through time
Nitrile rubber	0.33 mm	60 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	100 °C	
Flash point	40 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	6 %	
Lower explosion limit	0.5 %	
Vapour pressure	1.3 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.98 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	201 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	28 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

Not classified according to GHS criteria

% of unknown composition 0 %

Skin corrosion/irritation

Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
Diethanolamine	Category 2
Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha	Category 3
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 3
ethylbenzene	Category 3
Iron oxide	Category 2
octane	Category 2

Serious eye damage/eye irritation

Diethanolamine	Category 1
1,2,4-trimethylbenzene	Category 2A
mesitylene	Category 2A
ethylbenzene	Category 2B
Iron oxide	Category 1
octane	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

- **Inhalation**

Respiratory system 1,2,4-trimethylbenzene, cumene

Central nervous system 1,2,4-trimethylbenzene

Target Organ Systemic Toxicant - Repeated exposure

- **Skin Absorption**

Central nervous system 1,2,4-trimethylbenzene

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

Diethanolamine	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2
ethylbenzene	Category 2
Iron oxide	Category 3
octane	Category 1
Titanium dioxide	Category 3

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

**Matters needing attention for transportation**

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 8.3A
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
B12370861	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	3050S Chromaclear
Product code	3050S
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Causes mild skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. If eye irritation persists: Get medical advice/ attention. If skin irritation or rash occurs: Get medical advice/ attention.

Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains epoxy constituents. See information supplied by the manufacturer. Contains: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate; 2,3-epoxypropyl neodecanoate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
123-86-4	n-butyl acetate	10 - 20%	✓	
763-69-9	ethyl 3-ethoxypropionate	10 - 20%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	5 - 10%	✓	
108-10-1	4-methylpentan-2-one	5 - 10%	✓	
1330-20-7	xylene	5 - 10%	✓	
95-63-6	1,2,4-trimethylbenzene	3 - 5%	✓	
112-07-2	2-butoxyethyl acetate	3 - 5%	✓	
628-63-7	pentyl acetate	3 - 5%	✓	
624-41-9	2-methylbutyl acetate	1 - 3%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
No information available.	pentyl acetate mixture of isomers	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
688-84-6	2-ethylhexyl methacrylate	0.1 - 0.3%	✓	
64-19-7	acetic acid	0.1 - 0.3%	✓	
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	0.1 - 0.3%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
26761-45-5	2,3-epoxypropyl neodecanoate	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m ³
	TWA	205 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³

 Chemical Name

mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
acetic acid	TWA	10 ppm
	STEL	15 ppm
	STEL	37 mg/m ³
	TWA	25 mg/m ³
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
	Nitrile rubber	0.33 mm	30 min
xylene	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 m
2-butoxyethyl acetate	Viton (R) [®]	0.7 mm	480 m
	Nitrile rubber	0.33 mm	480 m

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the

product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	114 °C	
Flash point	30 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	5.2 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.97 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	360 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 2 %

Skin corrosion/irritation

n-butyl acetate	Category 3
ethyl 3-ethoxypropionate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
4-methylpentan-2-one	Category 3
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
pentyl acetate	Category 3
2-methylbutyl acetate	Category 3
ethylbenzene	Category 3
pentyl acetate mixture of isomers	Category 3
mesitylene	Category 3
2-ethylhexyl methacrylate	Category 3
acetic acid	Category 1A

Serious eye damage/eye irritation

4-methylpentan-2-one	Category 2A
xylene	Category 2A
1,2,4-trimethylbenzene	Category 2A
pentyl acetate	Category 2A
ethylbenzene	Category 2B
mesitylene	Category 2A
2-ethylhexyl methacrylate	Category 2B
acetic acid	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

2-ethylhexyl methacrylate	Category 1
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
2,3-epoxypropyl neodecanoate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be a skin sensitiser and an irritant. Low molecular epoxy constituents are irritating to eyes, mucous membranes and skin. Repeated skin contact may lead to irritation and to sensitization, possibly with cross-sensitization to other epoxies. Avoid skin and eye contact. Avoid inhalation of vapour or mist.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
ethyl 3-ethoxypropionate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
2-butoxyethyl acetate	Category 3
ethylbenzene	Category 2
mesitylene	Category 2
2-ethylhexyl methacrylate	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
cumene	Category 2
2,3-epoxypropyl neodecanoate	Category 2

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
pentyl acetate	Category 4
mesitylene	Category 2
2-ethylhexyl methacrylate	Category 3
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
cumene	Category 2
2,3-epoxypropyl neodecanoate	Category 2

% of unknown composition 3.1%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

**Matters needing attention for transportation**

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11934637

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	3200S UHS Chromaclear LE
Product code	3200S
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Causes mild skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. If eye irritation persists: Get medical advice/ attention. If skin irritation or rash occurs: Get medical advice/ attention.

Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains epoxy constituents. See information supplied by the manufacturer. Contains: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate; 2,3-epoxypropyl neodecanoate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
123-86-4	n-butyl acetate	10 - 20%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	5 - 10%	✓	
763-69-9	ethyl 3-ethoxypropionate	5 - 10%	✓	
108-10-1	4-methylpentan-2-one	5 - 10%	✓	
95-63-6	1,2,4-trimethylbenzene	3 - 5%	✓	
112-07-2	2-butoxyethyl acetate	3 - 5%	✓	
628-63-7	pentyl acetate	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
624-41-9	2-methylbutyl acetate	1 - 3%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
107-98-2	1-methoxy-2-propanol	0.3 - 1.0%	✓	
688-84-6	2-ethylhexyl methacrylate	0.1 - 0.3%	✓	
64-19-7	acetic acid	0.1 - 0.3%	✓	
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	0.1 - 0.3%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
26761-45-5	2,3-epoxypropyl neodecanoate	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m ³
	TWA	205 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
mesitylene	TWA	434 mg/m ³
	TWA	25 ppm

 Chemical Name

	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
1-methoxy-2-propanol	TWA	100 ppm
	STEL	150 ppm
	STEL	553 mg/m ³
	TWA	369 mg/m ³
acetic acid	TWA	10 ppm
	STEL	15 ppm
	STEL	37 mg/m ³
	TWA	25 mg/m ³
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product

compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	114 °C	
Flash point	34 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	5.1 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.97 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	360 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 1.8 %

Skin corrosion/irritation

n-butyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
ethyl 3-ethoxypropionate	Category 3
4-methylpentan-2-one	Category 3
1,2,4-trimethylbenzene	Category 2
pentyl acetate	Category 3
xylene	Category 2
2-methylbutyl acetate	Category 3
ethylbenzene	Category 3
mesitylene	Category 3
1-methoxy-2-propanol	Category 3
2-ethylhexyl methacrylate	Category 3
acetic acid	Category 1A

Serious eye damage/eye irritation

4-methylpentan-2-one	Category 2A
1,2,4-trimethylbenzene	Category 2A
pentyl acetate	Category 2A
xylene	Category 2A
ethylbenzene	Category 2B
mesitylene	Category 2A
1-methoxy-2-propanol	Category 2B
2-ethylhexyl methacrylate	Category 2B
acetic acid	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

2-ethylhexyl methacrylate	Category 1
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1

2,3-epoxypropyl neodecanoate

Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be a skin sensitiser and an irritant. Low molecular epoxy constituents are irritating to eyes, mucous membranes and skin. Repeated skin contact may lead to irritation and to sensitization, possibly with cross-sensitization to other epoxies. Avoid skin and eye contact. Avoid inhalation of vapour or mist.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
ethyl 3-ethoxypropionate	Category 3
1,2,4-trimethylbenzene	Category 2
2-butoxyethyl acetate	Category 3
xylene	Category 3
ethylbenzene	Category 2
mesitylene	Category 2
2-ethylhexyl methacrylate	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
cumene	Category 2
2,3-epoxypropyl neodecanoate	Category 2

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
pentyl acetate	Category 4

mesitylene	Category 2
2-ethylhexyl methacrylate	Category 3
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
cumene	Category 2
2,3-epoxypropyl neodecanoate	Category 2

% of unknown composition 1.8%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

**Matters needing attention for transportation**

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-29
B11817241

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	3460S Imron EZ - Clearcoat
Product code	3460S
Intended use of the substance/preparation	
Coating for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
 If eye irritation persists: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate; methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate; n-butyl methacrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
110-43-0	heptan-2-one	20 - 30%	✓	
103-09-3	2-ethylhexyl acetate	5 - 10%	✓	
67-64-1	acetone	3 - 5%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	3 - 5%	✓	
110-12-3	5-methylhexan-2-one	3 - 5%	✓	
123-86-4	n-butyl acetate	1 - 3%	✓	
142-82-5	heptane (mixture of isomers)	1 - 3%	✓	
67-63-0	propan-2-ol	1 - 3%	✓	
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	0.3 - 1.0%	✓	
141-78-6	ethyl acetate	0.3 - 1.0%	✓	
95-63-6	1,2,4-trimethylbenzene	0.1 - 0.3%	✓	
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0.1 - 0.3%	✓	
97-88-1	n-butyl methacrylate	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist,

call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
heptan-2-one	TWA	50 ppm
acetone	TWA	233 mg/m ³
	TWA	500 ppm
	STEL	1,000 ppm
	STEL	2,375 mg/m ³
5-methylhexan-2-one	TWA	1,185 mg/m ³
	TWA	50 ppm
	TWA	234 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m ³
	TWA	1,640 mg/m ³
propan-2-ol	TWA	400 ppm
	STEL	500 ppm
	STEL	1,230 mg/m ³

 Chemical Name

	TWA	983 mg/m ³
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	152 °C	
Flash point	15 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	7.9 %	
Lower explosion limit	1.1 %	
Vapour pressure	14.4 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.94 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	215 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

heptan-2-one	Category 4
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 4
5-methylhexan-2-one	Category 4
1,2,4-trimethylbenzene	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

heptan-2-one	Category 2
2-ethylhexyl acetate	Category 2
acetone	Category 3
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
5-methylhexan-2-one	Category 3
n-butyl acetate	Category 3
heptane (mixture of isomers)	Category 2
propan-2-ol	Category 3
ethyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2
n-butyl methacrylate	Category 2

Serious eye damage/eye irritation

heptan-2-one	Category 2B
2-ethylhexyl acetate	Category 2B
acetone	Category 2A
5-methylhexan-2-one	Category 2A
heptane (mixture of isomers)	Category 2A
propan-2-ol	Category 2A
ethyl acetate	Category 2A
1,2,4-trimethylbenzene	Category 2A
n-butyl methacrylate	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
n-butyl methacrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

heptan-2-one	Category 3
2-ethylhexyl acetate	Category 3
n-butyl acetate	Category 3
heptane (mixture of isomers)	Category 1
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
1,2,4-trimethylbenzene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
n-butyl methacrylate	Category 3

Chronic aquatic toxicity

2-ethylhexyl acetate	Category 3
heptane (mixture of isomers)	Category 1
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
1,2,4-trimethylbenzene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Marine Pollutant: yes [heptane (mixture of isomers)]

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	



Version	Changes
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Revision Date:	2014-12-05
	1250004196

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	3461S Activator
Product code	3461S
Intended use of the substance/preparation	
Hardener for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute oral toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. May be harmful if swallowed. Causes mild skin irritation. Causes serious eye irritation.
Precautionary statements	Wear eye protection/ face protection. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Call a POISON CENTER or doctor/ physician if you feel unwell. If eye irritation persists: Get medical advice/ attention. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
28182-81-2	Polyisocyanate	70 - 80%		
141-78-6	ethyl acetate	10 - 20%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
112-07-2	2-butoxyethyl acetate	3 - 5%	✓	
79-20-9	methyl acetate	0.3 - 1.0%	✓	

Non-regulated ingredients 0.0 - 0.1%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
Polyisocyanate	STEL	0.07 mg/m ³
	TWA	0.02 mg/m ³
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m ³
n-butyl acetate	TWA	150 ppm

 Chemical Name

	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
methyl acetate	TWA	200 ppm
	STEL	250 ppm
	STEL	757 mg/m ³
	TWA	606 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) [®]	0.7 mm	480 min
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	77 °C	
Flash point	-4 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	11 %	
Lower explosion limit	1.2 %	
Vapour pressure	15.0 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.09 <i>g/cm</i> ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	375 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

2-butoxyethyl acetate Category 4

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 76.4 %

Skin corrosion/irritation

ethyl acetate	Category 3
n-butyl acetate	Category 3
methyl acetate	Category 2

Serious eye damage/eye irritation

ethyl acetate	Category 2A
methyl acetate	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbition, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Packing group: II
Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.



15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute oral toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Flammable liquids	Category 3.1B

16. Other information

Revision Note

Version	Changes
1.1	9

Revision Date: 2015-01-29
B12730005

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	3608S Fast Dry Lacquer Thinner
Product code	3608S
Intended use of the substance/preparation	Thinner for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Aspiration toxicity	Category 6.1E

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Highly flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways.</p>
Precautionary statements	<p>Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Do NOT induce vomiting.</p>

IF exposed or concerned: Get medical advice/ attention.
If eye irritation persists: Get medical advice/ attention.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
108-88-3	toluene	60 - 70%	✓	
67-64-1	acetone	10 - 20%	✓	
67-63-0	propan-2-ol	10 - 20%	✓	
123-86-4	n-butyl acetate	3 - 5%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	1 - 3%	✓	

Non-regulated ingredients 0.0 - 0.1%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Chemical Name

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name

toluene	TWA	50 ppm
acetone	TWA	188 mg/m ³
	TWA	500 ppm
	STEL	1,000 ppm
propan-2-ol	STEL	2,375 mg/m ³
	TWA	1,185 mg/m ³
	TWA	400 ppm
	STEL	500 ppm
n-butyl acetate	STEL	1,230 mg/m ³
	TWA	983 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier

on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: aluminum Odour: Characteristic Solvent Odor Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	83 °C	
Flash point	7 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	12.8 %	
Lower explosion limit	1.2 %	
Vapour pressure	65.3 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.84 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

toluene	Category 2
acetone	Category 3
propan-2-ol	Category 3
n-butyl acetate	Category 3

Serious eye damage/eye irritation

toluene	Category 2B
acetone	Category 2A
propan-2-ol	Category 2A
2-methoxy-1-methylethyl acetate	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene	Category 2
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Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

No data available.

Aspiration toxicity

toluene	Category 1
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Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Marine Pollutant: no

EmS: F-E,S-E

**ICAO/IATA (Air transport)**

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Aspiration toxicity	Category 6.1E
Flammable liquids	Category 3.1B

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B11939085

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	3750S Ultra Productive VOC Clear
Product code	3750S
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	<p>May be harmful if inhaled. Flammable liquid and vapour. Harmful to aquatic life. Harmful to aquatic life with long lasting effects. May cause an allergic skin reaction. Causes mild skin irritation. Causes serious eye irritation.</p>
Precautionary statements	<p>Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Store in a well-ventilated place. Keep cool. Avoid release to the environment. Avoid breathing dust/ vapours/ spray.</p>

Wear protective gloves/protective clothing/eye protection/face protection.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 If eye irritation persists: Get medical advice/ attention.

Other hazards which do not result in classification

Contains: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate; methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS Hazardous
110-12-3	5-methylhexan-2-one	20 - 30%	✓
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	5 - 10%	✓
123-86-4	n-butyl acetate	5 - 10%	✓
95-63-6	1,2,4-trimethylbenzene	3 - 5%	✓
108-67-8	mesitylene	1 - 3%	✓
112-34-5	2-(2-butoxyethoxy)ethanol	1 - 3%	✓
1330-20-7	xylene	1 - 3%	✓
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	0.3 - 1.0%	✓
100-41-4	ethylbenzene	0.3 - 1.0%	✓
108-10-1	4-methylpentan-2-one	0.3 - 1.0%	✓
64-19-7	acetic acid	0.1 - 0.3%	✓
98-82-8	cumene	0.1 - 0.3%	✓
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0.1 - 0.3%	✓
107-98-2	1-methoxy-2-propanol	0.1 - 0.3%	✓

Non-regulated ingredients 50 - 60%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Avoid heating above flash point. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
5-methylhexan-2-one	TWA	50 ppm
n-butyl acetate	TWA	234 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
1,2,4-trimethylbenzene	STEL	950 mg/m ³
	TWA	713 mg/m ³
	TWA	25 ppm
mesitylene	TWA	123 mg/m ³
	TWA	25 ppm
	TWA	25 ppm
xylene	TWA	123 mg/m ³
	TWA	123 mg/m ³
	TWA	50 ppm
ethylbenzene	TWA	217 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
4-methylpentan-2-one	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	50 ppm

 Chemical Name

	STEL	75 ppm
	STEL	307 mg/m ³
	TWA	205 mg/m ³
acetic acid	TWA	10 ppm
	STEL	15 ppm
	STEL	37 mg/m ³
	TWA	25 mg/m ³
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³
1-methoxy-2-propanol	TWA	100 ppm
	STEL	150 ppm
	STEL	553 mg/m ³
	TWA	369 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product

compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	144 °C	
Flash point	43 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	8.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	3.1 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.98 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	210 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	28 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

5-methylhexan-2-one	Category 4
1,2,4-trimethylbenzene	Category 4
xylene	Category 4
ethylbenzene	Category 4
4-methylpentan-2-one	Category 4
acetic acid	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

5-methylhexan-2-one	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
n-butyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 3
2-(2-butoxyethoxy)ethanol	Category 3
xylene	Category 2
ethylbenzene	Category 3
4-methylpentan-2-one	Category 3
acetic acid	Category 1A
1-methoxy-2-propanol	Category 3

Serious eye damage/eye irritation

5-methylhexan-2-one	Category 2A
1,2,4-trimethylbenzene	Category 2A
mesitylene	Category 2A
2-(2-butoxyethoxy)ethanol	Category 2A
xylene	Category 2A
ethylbenzene	Category 2B
4-methylpentan-2-one	Category 2A
acetic acid	Category 1
1-methoxy-2-propanol	Category 2B

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
n-butyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
xylene	Category 3
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
ethylbenzene	Category 2
cumene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1



cumene
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

Category 2
Category 1

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B12378661

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	3760S Ultra Productive VOC Hi
Product code	3760S
Intended use of the substance/preparation	
Coating for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes mild skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray.

If eye irritation persists: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains epoxy constituents. See information supplied by the manufacturer. Contains: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate; methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate; 2,3-epoxypropyl neodecanoate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Hazardous
110-12-3	5-methylhexan-2-one	20 - 30%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	5 - 10%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
95-63-6	1,2,4-trimethylbenzene	3 - 5%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	0.3 - 1.0%	✓	
64-19-7	acetic acid	0.1 - 0.3%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0.1 - 0.3%	✓	
100-41-4	ethylbenzene	0.1 - 0.3%	✓	
26761-45-5	2,3-epoxypropyl neodecanoate	0.1 - 0.3%	✓	

Non-regulated ingredients 50 - 60%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Avoid heating above flash point. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
5-methylhexan-2-one	TWA	50 ppm
n-butyl acetate	TWA	234 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
1,2,4-trimethylbenzene	TWA	713 mg/m ³
	TWA	25 ppm
xylene	TWA	123 mg/m ³
	TWA	50 ppm
mesitylene	TWA	217 mg/m ³
	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
acetic acid	TWA	123 mg/m ³
	TWA	10 ppm
	STEL	15 ppm
	STEL	37 mg/m ³
cumene	TWA	25 mg/m ³
	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³

 Chemical Name

	TWA	125 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
2-butoxyethyl acetate	Viton (R) [®]	0.7 mm	480 m
	Nitrile rubber	0.33 mm	480 m
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	144 °C	
Flash point	40 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	2.8 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.98 <i>g/cm</i> ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	375 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	25 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

5-methylhexan-2-one	Category 4
1,2,4-trimethylbenzene	Category 4
2-butoxyethyl acetate	Category 4
xylene	Category 4
acetic acid	Category 4
ethylbenzene	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

5-methylhexan-2-one	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
n-butyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2
xylene	Category 2
mesitylene	Category 3
acetic acid	Category 1A
ethylbenzene	Category 3

Serious eye damage/eye irritation

5-methylhexan-2-one	Category 2A
1,2,4-trimethylbenzene	Category 2A
xylene	Category 2A
mesitylene	Category 2A
acetic acid	Category 1
ethylbenzene	Category 2B

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
2,3-epoxypropyl neodecanoate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be a skin sensitiser and an irritant. Low molecular epoxy constituents are irritating to eyes, mucous membranes and skin. Repeated skin contact may lead to irritation and to sensitization, possibly with cross-sensitization to other epoxies. Avoid skin and eye contact. Avoid inhalation of vapour or mist.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
n-butyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2
2-butoxyethyl acetate	Category 3
xylene	Category 3
mesitylene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
cumene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
ethylbenzene	Category 2
2,3-epoxypropyl neodecanoate	Category 2

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
cumene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
2,3-epoxypropyl neodecanoate	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C



16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B12877373

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	3871S Plastic Prepclean
Product code	3871S
Intended use of the substance/preparation	Thinner for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1D
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling



Hazard symbols

Signal word

Danger

Hazard statements

Flammable liquid and vapour.
May be harmful in contact with skin.
Harmful if inhaled.
Causes skin irritation.
Causes serious eye damage.
Suspected of damaging fertility or the unborn child.
Harmful to aquatic life.
Harmful to aquatic life with long lasting effects.

Precautionary statements

Avoid release to the environment.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Obtain special instructions before use.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Avoid breathing dust/ vapours/ spray.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 IF exposed or concerned: Get medical advice/ attention.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 Immediately call a POISON CENTER or doctor/ physician.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
1330-20-7	xylene	40 - 50%	✓	
78-83-1	iso-butanol	30 - 40%	✓	
100-41-4	ethylbenzene	10 - 20%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	3 - 5%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
71-36-3	n-butanol	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection**National occupational exposure limits****Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	TWA	217 mg/m3
iso-butanol	TWA	50 ppm
	TWA	152 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m3
	TWA	123 mg/m3
n-butanol	CEIL	150 mg/m3
	CEIL	50 ppm
toluene	TWA	50 ppm
	TWA	188 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
n-butanol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odour: Characteristic Solvent Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	106 °C	
Flash point	27 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	12.3 %	
Lower explosion limit	1 %	
Vapour pressure	8.5 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.85 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

xylene	Category 4
iso-butanol	Category 5
n-butanol	Category 5

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
1,2,4-trimethylbenzene	Category 4
n-butanol	Category 5
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
iso-butanol	Category 2
ethylbenzene	Category 3

1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
mesitylene	Category 3
n-butanol	Category 2
toluene	Category 2

Serious eye damage/eye irritation

xylene	Category 2A
iso-butanol	Category 1
ethylbenzene	Category 2B
2-methoxy-1-methylethyl acetate	Category 2A
1,2,4-trimethylbenzene	Category 2A
mesitylene	Category 2A
n-butanol	Category 1
toluene	Category 2B

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
ethylbenzene	Category 2
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
toluene	Category 2

Chronic aquatic toxicity

1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1D
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B11934871

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	3919S Wax and Grease Remover
Product code	3919S
Intended use of the substance/preparation	Thinner for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Aspiration toxicity	Category 6.1E
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. May be fatal if swallowed and enters airways. Harmful to aquatic life. Toxic to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Do NOT induce vomiting. Collect spillage. If eye irritation persists: Get medical advice/ attention.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
64742-82-1	naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	50 - 60%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	20 - 30%	✓	
95-63-6	1,2,4-trimethylbenzene	10 - 20%	✓	
108-67-8	mesitylene	3 - 5%	✓	
103-65-1	n-propylbenzene	3 - 5%	✓	
1330-20-7	xylene	1 - 3%	✓	
98-82-8	cumene	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	

Non-regulated ingredients 0.0 - 0.1%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Avoid heating above flash point. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits Workplace Exposure Standards (WESs) 2002

Chemical Name			
1,2,4-trimethylbenzene	TWA	25 ppm	
	TWA	123 mg/m ³	
mesitylene	TWA	25 ppm	
	TWA	25 ppm	
	TWA	123 mg/m ³	
xylene	TWA	123 mg/m ³	
	TWA	50 ppm	
	TWA	217 mg/m ³	
cumene	TWA	25 ppm	
	STEL	75 ppm	
	STEL	375 mg/m ³	
	TWA	125 mg/m ³	
ethylbenzene	TWA	100 ppm	
	STEL	125 ppm	
	STEL	543 mg/m ³	
	TWA	434 mg/m ³	

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min

Chemical Name	Glove material	Glove thickness	Break through time
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) ®	0.7 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Solvent Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	145 °C	
Flash point	43 °C	DIN 53213/ISO 1523
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	7 %	
Lower explosion limit	0.7 %	
Vapour pressure	23.6 hPa	
Solubility(ies)	nil	
Vapour density	no data available	
Density	0.81 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	201 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 3
n-propylbenzene	Category 3
xylene	Category 2
ethylbenzene	Category 3

Serious eye damage/eye irritation

1,2,4-trimethylbenzene	Category 2A
mesitylene	Category 2A
xylene	Category 2A
ethylbenzene	Category 2B

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

not hazardous

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	Category 1
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 1
1,2,4-trimethylbenzene	Category 1
mesitylene	Category 1
n-propylbenzene	Category 1
xylene	Category 2
cumene	Category 1
ethylbenzene	Category 2

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
n-propylbenzene	Category 2
xylene	Category 3
cumene	Category 2
ethylbenzene	Category 2

Chronic aquatic toxicity

naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
n-propylbenzene	Category 2
cumene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: yes [naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)]

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Aspiration toxicity	Category 6.1E
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1B

16. Other information

Revision Note

Version	Changes
1.1	9

Revision Date: 2015-01-13
B11939070

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	3920S Degreaser
Product code	3920S
Intended use of the substance/preparation	
Thinner for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Skin corrosion/irritation	Category 6.3A
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Aspiration toxicity	Category 6.1E
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. Causes skin irritation. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways. Harmful to aquatic life. Toxic to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed.

Obtain special instructions before use.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Do NOT induce vomiting.
 Collect spillage.
 IF exposed or concerned: Get medical advice/ attention.
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
64742-49-0	naphtha (petroleum), hydrotreated light (<0,1% benzene)	50 - 60%	✓	
64742-82-1	naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	30 - 40%	✓	
108-88-3	toluene	5 - 10%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
103-65-1	n-propylbenzene	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	

Non-regulated ingredients 0.0 - 0.1%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits
Workplace Exposure Standards (WESs) 2002

Chemical Name			
toluene	TWA	50 ppm	
	TWA	188 mg/m ³	
1,2,4-trimethylbenzene	TWA	25 ppm	
	TWA	123 mg/m ³	
xylene	TWA	50 ppm	
	TWA	217 mg/m ³	
mesitylene	TWA	25 ppm	
	TWA	25 ppm	
ethylbenzene	TWA	123 mg/m ³	
	TWA	123 mg/m ³	
	TWA	100 ppm	
	STEL	125 ppm	
	STEL	543 mg/m ³	
	TWA	434 mg/m ³	

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
xylene	Nitrile rubber	0.33 mm	30 min

Chemical Name	Glove material	Glove thickness	Break through time
	Viton (R) ®	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Solvent Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	100 °C	
Flash point	14 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	7 %	
Lower explosion limit	0.7 %	
Vapour pressure	34.3 hPa	
Solubility(ies)	nil	
Vapour density	no data available	
Density	0.75 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	201 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

naphtha (petroleum), hydrotreated light (<0,1% benzene)	Category 2
naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	Category 3
toluene	Category 2
1,2,4-trimethylbenzene	Category 2
xylene	Category 2
mesitylene	Category 3
n-propylbenzene	Category 3
ethylbenzene	Category 3

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

- **Skin Absorption**

Central nervous system 1,2,4-trimethylbenzene

Aspiration toxicity

naphtha (petroleum), hydrotreated light (<0,1% benzene)	Category 1
naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	Category 1
toluene	Category 1
1,2,4-trimethylbenzene	Category 1
xylene	Category 2
mesitylene	Category 1
n-propylbenzene	Category 1
ethylbenzene	Category 2

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	Category 2
toluene	Category 2
1,2,4-trimethylbenzene	Category 2
xylene	Category 3
mesitylene	Category 2
n-propylbenzene	Category 2
ethylbenzene	Category 2

Chronic aquatic toxicity

naphtha (petroleum), hydrotreated light (<0,1% benzene)	Category 2
naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
n-propylbenzene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Marine Pollutant: yes [naphtha (petroleum), hydrotreated light (<0,1% benzene)]

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Aspiration toxicity	Category 6.1E
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1B

16. Other information

Revision Note

Version	Changes
1.1	9

Revision Date: 2015-01-13
B11935032

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	3950S Anti-Static Degreaser
Product code	3950S
Intended use of the substance/preparation	Thinner for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute oral toxicity	Category 6.1E
Acute dermal toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
Aspiration toxicity	Category 6.1E
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling



Hazard symbols

Signal word

Danger

Hazard statements

Flammable liquid and vapour.
May be harmful if swallowed.
May be harmful in contact with skin.
Causes skin irritation.
Causes serious eye damage.
May be fatal if swallowed and enters airways.
Harmful to aquatic life.
Harmful to aquatic life with long lasting effects.

Precautionary statements

Avoid release to the environment.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Wear protective gloves/protective clothing/eye protection/face protection.
 Do NOT induce vomiting.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
78-83-1	iso-butanol	40 - 50%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha	40 - 50%	✓	
111-65-9	octane	1 - 3%	✓	
71-36-3	n-butanol	0.1 - 0.3%	✓	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Chemical Name

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name

Chemical Name	Exposure Limit	Value
iso-butanol	TWA	50 ppm
octane	TWA	152 mg/m ³
	TWA	300 ppm
	STEL	375 ppm
n-butanol	STEL	1,750 mg/m ³
	TWA	1,400 mg/m ³
	CEIL	150 mg/m ³
	CEIL	50 ppm

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butanol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	106 °C	
Flash point	27 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	12.3 %	
Lower explosion limit	1.6 %	
Vapour pressure	5.2 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.78 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	201 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

iso-butanol	Category 5
octane	Category 5
n-butanol	Category 4

Acute dermal toxicity

iso-butanol	Category 5
n-butanol	Category 5

Acute inhalation toxicity

Not classified according to GHS criteria

% of unknown composition 0 %

Skin corrosion/irritation

iso-butanol	Category 2
Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha	Category 3
octane	Category 2
n-butanol	Category 2

Serious eye damage/eye irritation

iso-butanol	Category 1
octane	Category 2A
n-butanol	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

iso-butanol	Category 1
Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha	Category 1
octane	Category 1
n-butanol	Category 2

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

octane Category 1

Chronic aquatic toxicity

octane Category 1

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: no
EmS: F-E,S-E**ICAO/IATA (Air transport)**

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III**Matters needing attention for transportation**

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute oral toxicity	Category 6.1E
Acute dermal toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
Aspiration toxicity	Category 6.1E
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
B11936211	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	3989S Retarder
Product code	3989S
Intended use of the substance/preparation	
Thinner for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Not classified as a Dangerous Good under NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1D
Acute oral toxicity	Category 6.1D
Acute dermal toxicity	Category 6.1D
Acute inhalation toxicity	Category 6.1D

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Combustible liquid Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled.
Precautionary statements	Keep away from open flames/hot surfaces. - No smoking. Wear protective gloves/ protective clothing. Avoid breathing dust/ vapours/ spray. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
112-07-2	2-butoxyethyl acetate	90 - 100%	✓	
111-76-2	2-butoxyethanol	0.3 - 1.0%	✓	

Non-regulated ingredients 1 - 5%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Avoid heating above flash point. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
2-butoxyethanol	TWA	25 ppm
	TWA	121 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
2-butoxyethyl acetate	Viton (R) ®	0.7 mm	480 m
	Nitrile rubber	0.33 mm	480 m
2-butoxyethanol	Viton (R) ®	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Solvent Odor Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	184 °C	
Flash point	86 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	6.1 %	
Lower explosion limit	1 %	
Vapour pressure	0.4 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.94 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	375 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

2-butoxyethyl acetate	Category 4
2-butoxyethanol	Category 4

Acute dermal toxicity

2-butoxyethyl acetate	Category 4
2-butoxyethanol	Category 3

Acute inhalation toxicity

2-butoxyethyl acetate	Category 4
2-butoxyethanol	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

Not classified according to GHS criteria

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

Not classified as dangerous in the meaning of transport regulations.

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002657
HSNO Classification	
Acute oral toxicity	Category 6.1D
Acute dermal toxicity	Category 6.1D
Acute inhalation toxicity	Category 6.1D
Flammable liquids	Category 3.1D

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
B11937554	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	4001S 2K Ultra Productive Primer
Product code	4001S
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 8.3A
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. Causes mild skin irritation. Causes serious eye damage. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Precautionary statements	Wear eye protection/ face protection. Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Collect spillage. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	10 - 20%	✓	
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	10 - 20%		
13463-67-7	Titanium dioxide	10 - 20%		
13983-17-0	Wollastonite	5 - 10%	✓	
78-83-1	iso-butanol	3 - 5%	✓	
110-43-0	heptan-2-one	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
7779-90-0	trizinc bis(orthophosphate)	3 - 5%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
107-98-2	1-methoxy-2-propanol	1 - 3%	✓	
1314-13-2	zinc oxide	1 - 3%	✓	
21645-51-2	aluminium hydroxide	0.3 - 1.0%		
7727-43-7	barium sulphate, natural	0.3 - 1.0%		
628-63-7	pentyl acetate	0.1 - 0.3%	✓	
121-44-8	triethylamine	0.1 - 0.3%	✓	

Non-regulated ingredients 10 - 20%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m3
Talc (Mg3H2(SiO3)4)	TWA	713 mg/m3
	TWA	2 mg/m3
Titanium dioxide	TWA	10 mg/m3
iso-butanol	TWA	50 ppm
	TWA	152 mg/m3
heptan-2-one	TWA	50 ppm
	TWA	233 mg/m3
xylene	TWA	50 ppm
	TWA	217 mg/m3
trizinc bis(orthophosphate)	TWA	10 mg/m3
	TWA	100 ppm
ethylbenzene	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
1-methoxy-2-propanol	TWA	100 ppm
	STEL	150 ppm
	STEL	553 mg/m3
zinc oxide	TWA	369 mg/m3
	STEL	10 mg/m3
aluminium hydroxide	TWA	5 mg/m3
	TWA	2 mg/m3
barium sulphate, natural	TWA	10 mg/m3
pentyl acetate	TWA	100 ppm

Chemical Name		
	TWA	532 mg/m ³
triethylamine	TWA	3 ppm
	STEL	5 ppm
	STEL	20 mg/m ³
	TWA	12 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: white Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.1 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.5 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	270 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
Wollastonite	Category 3
iso-butanol	Category 2
heptan-2-one	Category 2
xylene	Category 2
ethylbenzene	Category 3
1-methoxy-2-propanol	Category 3
pentyl acetate	Category 3
triethylamine	Category 1A

Serious eye damage/eye irritation

Wollastonite	Category 2B
iso-butanol	Category 1
heptan-2-one	Category 2B
xylene	Category 2A
ethylbenzene	Category 2B
1-methoxy-2-propanol	Category 2B
pentyl acetate	Category 2A
triethylamine	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbition, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
Titanium dioxide	Category 3
heptan-2-one	Category 3
xylene	Category 3
trizinc bis(orthophosphate)	Category 1
ethylbenzene	Category 2
zinc oxide	Category 1
aluminium hydroxide	Category 1
triethylamine	Category 3

Chronic aquatic toxicity

trizinc bis(orthophosphate)	Category 1
zinc oxide	Category 1
aluminium hydroxide	Category 1
pentyl acetate	Category 4
triethylamine	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II
Marine Pollutant: yes [trizinc bis(orthophosphate)]
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 8.3A
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-29
B12539740

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	4007S 2K Ultra Productive Primer
Product code	4007S
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 8.3A
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. Causes mild skin irritation. Causes serious eye damage. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Precautionary statements	Wear eye protection/ face protection. Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Collect spillage. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	10 - 20%	✓	
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	10 - 20%		
13463-67-7	Titanium dioxide	10 - 20%		
13983-17-0	Wollastonite	5 - 10%	✓	
78-83-1	iso-butanol	3 - 5%	✓	
110-43-0	heptan-2-one	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
7779-90-0	trizinc bis(orthophosphate)	3 - 5%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
107-98-2	1-methoxy-2-propanol	1 - 3%	✓	
1314-13-2	zinc oxide	1 - 3%	✓	
21645-51-2	aluminium hydroxide	0.3 - 1.0%		
7727-43-7	barium sulphate, natural	0.3 - 1.0%		
628-63-7	pentyl acetate	0.1 - 0.3%	✓	
121-44-8	triethylamine	0.1 - 0.3%	✓	

Non-regulated ingredients 10 - 20%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection
**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m3
Talc (Mg3H2(SiO3)4)	TWA	713 mg/m3
	TWA	2 mg/m3
Titanium dioxide	TWA	10 mg/m3
iso-butanol	TWA	50 ppm
	TWA	152 mg/m3
heptan-2-one	TWA	50 ppm
	TWA	233 mg/m3
xylene	TWA	50 ppm
	TWA	217 mg/m3
trizinc bis(orthophosphate)	TWA	10 mg/m3
	TWA	100 ppm
ethylbenzene	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
1-methoxy-2-propanol	TWA	100 ppm
	STEL	150 ppm
	STEL	553 mg/m3
zinc oxide	TWA	369 mg/m3
	STEL	10 mg/m3
aluminium hydroxide	TWA	5 mg/m3
	TWA	2 mg/m3
barium sulphate, natural	TWA	10 mg/m3
pentyl acetate	TWA	100 ppm

Chemical Name		
	TWA	532 mg/m ³
triethylamine	TWA	3 ppm
	STEL	5 ppm
	STEL	20 mg/m ³
	TWA	12 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: white Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.1 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.5 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	270 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
Wollastonite	Category 3
iso-butanol	Category 2
heptan-2-one	Category 2
xylene	Category 2
ethylbenzene	Category 3
1-methoxy-2-propanol	Category 3
pentyl acetate	Category 3
triethylamine	Category 1A

Serious eye damage/eye irritation

Wollastonite	Category 2B
iso-butanol	Category 1
heptan-2-one	Category 2B
xylene	Category 2A
ethylbenzene	Category 2B
1-methoxy-2-propanol	Category 2B
pentyl acetate	Category 2A
triethylamine	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
Titanium dioxide	Category 3
heptan-2-one	Category 3
xylene	Category 3
trizinc bis(orthophosphate)	Category 1
ethylbenzene	Category 2
zinc oxide	Category 1
aluminium hydroxide	Category 1
triethylamine	Category 3

Chronic aquatic toxicity

trizinc bis(orthophosphate)	Category 1
zinc oxide	Category 1
aluminium hydroxide	Category 1
pentyl acetate	Category 4
triethylamine	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II
Marine Pollutant: yes [trizinc bis(orthophosphate)]
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 8.3A
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-29
B12539740

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	4075S Activator
Product code	4075S
Intended use of the substance/preparation	Hardener for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1D
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. If eye irritation persists: Get medical advice/ attention.

Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
108-10-1	4-methylpentan-2-one	40 - 50%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
71-36-3	n-butanol	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	

Non-regulated ingredients 10 - 20%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m ³
	TWA	205 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
n-butanol	CEIL	150 mg/m ³
	CEIL	50 ppm
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) ®	0.7 mm	30 min
n-butanol	Viton (R) ®	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	114 °C	
Flash point	10 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	12.8 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.86 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	340 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

4-methylpentan-2-one	Category 4
xylene	Category 4
ethylbenzene	Category 4
n-butanol	Category 5
1,2,4-trimethylbenzene	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

4-methylpentan-2-one	Category 3
n-butyl acetate	Category 3
xylene	Category 2
ethylbenzene	Category 3

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
n-butanol	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 3

Serious eye damage/eye irritation

4-methylpentan-2-one	Category 2A
xylene	Category 2A
ethylbenzene	Category 2B
n-butanol	Category 1
1,2,4-trimethylbenzene	Category 2A
mesitylene	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
xylene	Category 3
ethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

**Matters needing attention for transportation**

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute inhalation toxicity	Category 6.1D
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-29
B12539661

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	4095S High Temp Activator
Product code	4095S
Intended use of the substance/preparation Solvent for professional use	
Supplier Axalta Coating Systems Australia Pty Limited	
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer Resene Automotive & Light Industrial	
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. Causes serious eye irritation. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. If eye irritation persists: Get medical advice/ attention. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Hazardous
108-10-1	4-methylpentan-2-one	10 - 20%	✓	
624-54-4	pentyl propionate	10 - 20%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	5 - 10%	✓	
110-43-0	heptan-2-one	5 - 10%	✓	
95-63-6	1,2,4-trimethylbenzene	3 - 5%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
71-36-3	n-butanol	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	

Non-regulated ingredients 10 - 20%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits Workplace Exposure Standards (WESs) 2002

Chemical Name		
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m ³
xylene	TWA	205 mg/m ³
	TWA	50 ppm
heptan-2-one	TWA	217 mg/m ³
	TWA	50 ppm
1,2,4-trimethylbenzene	TWA	233 mg/m ³
	TWA	25 ppm
ethylbenzene	TWA	123 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
n-butanol	STEL	543 mg/m ³
	TWA	434 mg/m ³
	CEIL	150 mg/m ³
mesitylene	CEIL	50 ppm
	TWA	25 ppm
cumene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) ®	0.7 mm	30 min
n-butanol	Viton (R) ®	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	114 °C	
Flash point	28 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	7.9 %	
Lower explosion limit	0.9 %	
Vapour pressure	6.2 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.89 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

4-methylpentan-2-one	Category 4
xylene	Category 4
heptan-2-one	Category 4
1,2,4-trimethylbenzene	Category 4
ethylbenzene	Category 4
n-butanol	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

4-methylpentan-2-one	Category 3
xylene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3

heptan-2-one	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
n-butanol	Category 2
mesitylene	Category 3

Serious eye damage/eye irritation

4-methylpentan-2-one	Category 2A
2-methoxy-1-methylethyl acetate	Category 2A
xylene	Category 2A
heptan-2-one	Category 2B
1,2,4-trimethylbenzene	Category 2A
ethylbenzene	Category 2B
n-butanol	Category 1
mesitylene	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

pentyl propionate	Category 2
xylene	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
heptan-2-one	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
B12537126	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	4530S Flop Control Agent
Product code	4530S
Intended use of the substance/preparation	Intermediate
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling



Hazard symbols

Signal word

Danger

Hazard statements

Flammable liquid and vapour.
Causes skin irritation.
Causes serious eye damage.
May cause an allergic skin reaction.
Harmful to aquatic life.
Harmful to aquatic life with long lasting effects.

Precautionary statements

Avoid release to the environment.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Wear protective gloves/protective clothing/eye protection/face protection.
Avoid breathing dust/ vapours/ spray.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation or rash occurs: Get medical advice/ attention.

Immediately call a POISON CENTER or doctor/ physician.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Hazardous
123-86-4	n-butyl acetate	10 - 20%	✓	
78-83-1	iso-butanol	10 - 20%	✓	
64742-82-1	naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
112926-00-8	Amorphous silica - precipitated	5 - 10%		
100-41-4	ethylbenzene	3 - 5%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
67-63-0	propan-2-ol	0.3 - 1.0%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
iso-butanol	TWA	713 mg/m ³
	TWA	50 ppm
xylene	TWA	152 mg/m ³
	TWA	50 ppm
Amorphous silica - precipitated	TWA	217 mg/m ³
	TWA	10 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
1,2,4-trimethylbenzene	TWA	434 mg/m ³
	TWA	25 ppm
	TWA	123 mg/m ³
propan-2-ol	TWA	400 ppm
	STEL	500 ppm
	STEL	1,230 mg/m ³
methyl methacrylate	TWA	983 mg/m ³
	TWA	50 ppm
	STEL	100 ppm

 Chemical Name

	STEL	416 mg/m ³
	TWA	208 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	106 °C	
Flash point	25 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	12.3 %	
Lower explosion limit	0.7 %	
Vapour pressure	9.5 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.96 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	201 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	55 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
iso-butanol	Category 2
naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	Category 3
xylene	Category 2
ethylbenzene	Category 3
1,2,4-trimethylbenzene	Category 2
propan-2-ol	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
mesitylene	Category 3
2-hydroxyethyl acrylate	Category 1B

Serious eye damage/eye irritation

iso-butanol	Category 1
xylene	Category 2A
ethylbenzene	Category 2B
1,2,4-trimethylbenzene	Category 2A
propan-2-ol	Category 2A
n-butyl methacrylate	Category 2A
mesitylene	Category 2A
2-hydroxyethyl acrylate	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	Category 2
xylene	Category 3
ethylbenzene	Category 2
1,2,4-trimethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
mesitylene	Category 2
2-hydroxyethyl acrylate	Category 1

Chronic aquatic toxicity

naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.1	9

Revision Date: 2015-01-13
 B11934328

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation,



disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	4531S Lucite Flattener
Product code	4531S
Intended use of the substance/preparation	Intermediate
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1D
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Flammable liquid and vapour. Harmful if inhaled. Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation or rash occurs: Get medical advice/ attention.
 Immediately call a POISON CENTER or doctor/ physician.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
64742-47-8	Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha	30 - 40%	✓	
110-43-0	heptan-2-one	20 - 30%	✓	
78-83-1	iso-butanol	10 - 20%	✓	
112926-00-8	Amorphous silica - precipitated	5 - 10%		
123-86-4	n-butyl acetate	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
67-63-0	propan-2-ol	0.3 - 1.0%	✓	
111-84-2	Nonane	0.3 - 1.0%	✓	
80-62-6	methyl methacrylate	0.1 - 0.3%	✓	
97-88-1	n-butyl methacrylate	0.1 - 0.3%	✓	

Non-regulated ingredients 10 - 20%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
heptan-2-one	TWA	50 ppm
iso-butanol	TWA	233 mg/m ³
Amorphous silica - precipitated	TWA	50 ppm
n-butyl acetate	TWA	152 mg/m ³
xylene	TWA	10 mg/m ³
ethylbenzene	TWA	150 ppm
propan-2-ol	STEL	200 ppm
Nonane	STEL	950 mg/m ³
methyl methacrylate	TWA	713 mg/m ³
methyl methacrylate	TWA	50 ppm
methyl methacrylate	STEL	125 ppm
methyl methacrylate	STEL	543 mg/m ³
methyl methacrylate	TWA	434 mg/m ³
methyl methacrylate	TWA	400 ppm
methyl methacrylate	STEL	500 ppm
methyl methacrylate	STEL	1,230 mg/m ³
methyl methacrylate	TWA	983 mg/m ³
methyl methacrylate	TWA	200 ppm
methyl methacrylate	TWA	1,050 mg/m ³
methyl methacrylate	TWA	50 ppm
methyl methacrylate	STEL	100 ppm
methyl methacrylate	STEL	416 mg/m ³
methyl methacrylate	TWA	208 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	106 °C
Flash point	29 °C

Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	12.3 %	
Lower explosion limit	0.8 %	
Vapour pressure	3.3 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.87 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	258 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha	Category 4
heptan-2-one	Category 4
xylene	Category 4
ethylbenzene	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha	Category 3
heptan-2-one	Category 2
iso-butanol	Category 2
n-butyl acetate	Category 3
xylene	Category 2
ethylbenzene	Category 3
propan-2-ol	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2

Serious eye damage/eye irritation

heptan-2-one	Category 2B
iso-butanol	Category 1
xylene	Category 2A
ethylbenzene	Category 2B
propan-2-ol	Category 2A
n-butyl methacrylate	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

heptan-2-one	Category 3
n-butyl acetate	Category 3
xylene	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Packing group: III
Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: yes [Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha]
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1D
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
B12784407	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	5717S Metal Conditioner
Product code	5717S
Intended use of the substance/preparation	
Cleaning agent for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1D
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 8.2B
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
Corrosive to metals	Category 8.1A
Chronic aquatic toxicity	Category 9.1D

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Combustible liquid May be corrosive to metals. May cause long lasting harmful effects to aquatic life. May cause damage to organs. May cause an allergic skin reaction. Causes severe skin burns and eye damage. Causes serious eye damage. Harmful if swallowed or in contact with skin
Precautionary statements	IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Wash hands after handling.

Do not eat, drink or smoke when using this product.
 Dispose of contents/container in accordance with local regulations.
 Wear protective gloves/ protective clothing.
 IF ON SKIN: Wash with plenty of soap and water.
 Wash contaminated clothing before reuse.
 Wear protective gloves/ eye protection/ face protection.
 Keep away from open flames/hot surfaces. - No smoking.
 Store in a well-ventilated place. Keep cool.
 Keep only in original container.
 Absorb spillage to prevent material damage.
 Store in corrosive resistant/ .? container with a resistant inner liner.
 Avoid release to the environment.
 Avoid breathing dust/ vapours/ spray.
 Contaminated work clothing should not be allowed out of the workplace.
 Specific treatment (see supplemental first aid instructions on this label).
 If skin irritation or rash occurs: Get medical advice/ attention.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
7664-38-2	phosphoric acid	30 - 40%	✓	
111-76-2	2-butoxyethanol	10 - 20%	✓	
60828-78-6	Polyethylene glycol trimethyl nonylether (with ethylene oxide mol equivalent = 9)	0.3 - 1.0%	✓	

Non-regulated ingredients 50 - 60%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of Previn® or water.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Avoid heating above flash point. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Do not store mixtures in metal containers because of the possibility of pressure build-up. Use glass or plastic as appropriate.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
phosphoric acid	TWA	1 mg/m ³
2-butoxyethanol	TWA	25 ppm
	TWA	121 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
2-butoxyethanol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	100 °C	
Flash point	68 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.6 %	
Lower explosion limit	1.1 %	
Vapour pressure	0.0 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	1.16 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	238 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

The product contains components which at higher temperatures can release oxides of phosphorus. When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

2-butoxyethanol Category 4

% of unknown composition 0 %

Skin corrosion/irritationphosphoric acid Category 1A
2-butoxyethanol Category 2**Serious eye damage/eye irritation**phosphoric acid Category 1
2-butoxyethanol Category 2A
Polyethylene glycol trimethyl nonylether (with ethylene oxide mol equivalent = 9) Category 1**Respiratory sensitisation**

Not classified according to GHS criteria

Skin sensitisation

Polyethylene glycol trimethyl nonylether (with ethylene oxide mol equivalent = 9) Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

No data available.

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbition, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Chronic aquatic toxicity

Polyethylene glycol trimethyl nonylether (with ethylene oxide mol equivalent = 9) Category 3

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PHOSPHORIC ACID, SOLUTION

UN number: 1805

Hazard Class: 8

Packing group: III

Hazchem Code: 2R

IMDG (Sea transport)

Proper shipping name: PHOSPHORIC ACID, SOLUTION

UN number: 1805

Hazard Class: 8

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-A,S-B

ICAO/IATA (Air transport)

Proper shipping name: PHOSPHORIC ACID, SOLUTION

UN number: 1805

Hazard Class: 8



Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002659
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 8.2B
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
Flammable liquids	Category 3.1D
Corrosive to metals	Category 8.1A
Chronic aquatic toxicity	Category 9.1D

16. Other information

Revision Note

Version	Changes
1.1	2

Revision Date: 2015-01-13
B12334548

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	7695S Chromaclear Multi-Panel Activator
Product code	7695S
Intended use of the substance/preparation	Hardener for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Flammable liquid and vapour. Causes mild skin irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.</p>
Precautionary statements	<p>Avoid release to the environment. In case of inadequate ventilation wear respiratory protection. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.</p>

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains isocyanates. See information supplied by the manufacturer. Contains: 4-isocyanatosulphonyltoluene. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
763-69-9	ethyl 3-ethoxypropionate	40 - 50%	✓	
28182-81-2	Hexamethylene diisocyanate, oligomers	30 - 40%	✓	
95-63-6	1,2,4-trimethylbenzene	5 - 10%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	5 - 10%	✓	
108-67-8	mesitylene	1 - 3%	✓	
123-86-4	n-butyl acetate	1 - 3%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
4083-64-1	4-isocyanatosulphonyltoluene	0.1 - 0.3%	✓	
1330-20-7	xylene	0.1 - 0.3%	✓	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. Skin contact may cause skin sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts), concentrated (d : 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts), water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in non-sealed container. Once this stage is reached, close container and dispose according to local regulations (see section 13).

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
Hexamethylene diisocyanate, oligomers	STEL	0.07 mg/m ³
	TWA	0.02 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
n-butyl acetate	TWA	123 mg/m ³
	TWA	123 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
cumene	STEL	950 mg/m ³
	TWA	713 mg/m ³
	TWA	25 ppm
	STEL	75 ppm
xylene	STEL	375 mg/m ³
	TWA	125 mg/m ³
	TWA	50 ppm
	TWA	217 mg/m ³

Engineering measures

Provide adequate ventilation. Air-fed protective respiratory equipment must be worn by spray operator even when good ventilation is provided.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

For spraying: air-fed respirator. For operations other than spraying: in well ventilated areas, air-fed respirators could be replaced by a combination of charcoal filter and particulate filter mask.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	149 °C
Flash point	24 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	6.2 %
Lower explosion limit	0.9 %
Vapour pressure	1.8 hPa

Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.01 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	377 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents and strongly acid or alkaline materials. Amines and alcohols cause exothermic reactions. Mixture reacts slowly with water resulting in evolution of CO₂. Evolution of CO₂ in closed containers causes overpressure and produces a risk of bursting.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen as well as hydrogen cyanide, amines, alcohols and water.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

ethyl 3-ethoxypropionate	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
mesitylene	Category 3
n-butyl acetate	Category 3
4-isocyanatosulphonyltoluene	Category 2
xylene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Hexamethylene diisocyanate, oligomers	Category 1
4-isocyanatosulphonyltoluene	Category 1

Skin sensitisation

Hexamethylene diisocyanate, oligomers	Category 1
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Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Based on the properties of the isocyanate components and considering toxicological data on similar products, the following applies: This formulation may cause acute irritation and/or sensitization of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Components of the product may be absorbed into the body through the skin.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

ethyl 3-ethoxypropionate	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
n-butyl acetate	Category 3
cumene	Category 2
4-isocyanatosulphonyltoluene	Category 3
xylene	Category 3

Chronic aquatic toxicity

1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
cumene	Category 2
4-isocyanatosulphonyltoluene	Category 3

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662
HSNO Classification
Skin corrosion/irritation Category 6.3B
Respiratory sensitisation Category 6.5A
Skin sensitisation Category 6.5B
Flammable liquids Category 3.1C
Acute aquatic toxicity Category 9.1C
Chronic aquatic toxicity Category 9.1C

16. Other information

Revision Note

Version	Changes
1.1	11

Revision Date: 2015-01-29
B12820891

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	8989S Imron Accelerator
Product code	8989S
Intended use of the substance/preparation	Intermediate
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute oral toxicity	Category 6.1D
Acute dermal toxicity	Category 6.1C
Acute inhalation toxicity	Category 6.1C
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Germ cell mutagenicity	Category 6.6B
Toxicity for reproduction	Category 6.8A
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Flammable liquid and vapour. Harmful if swallowed. Toxic in contact with skin. Toxic if inhaled. Causes skin irritation. Causes serious eye damage.

May cause an allergic skin reaction.
 Suspected of causing genetic defects.
 May damage fertility or the unborn child.
 Causes damage to organs.
 Causes damage to organs through prolonged or repeated exposure.
 Toxic to aquatic life.
 Toxic to aquatic life with long lasting effects.

Precautionary statements

Avoid release to the environment.
 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Obtain special instructions before use.
 Wear protective gloves/protective clothing/eye protection/face protection.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 Collect spillage.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 If skin irritation or rash occurs: Get medical advice/ attention.
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
 Remove/Take off immediately all contaminated clothing.
 Store in a well-ventilated place. Keep container tightly closed.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-54-6	pentane-2,4-dione	90 - 100%	✓	
77-58-7	dibutylbis((1-oxododecyl)oxy)stannane	3 - 5%	✓	

Non-regulated ingredients 0.0 - 0.1%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
dibutylbis((1-oxododecyl)oxy)stannane	STEL	0.2 mg/m ³
	TWA	0.1 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
pentane-2,4-dione	butyl-rubber	0.7 mm	480 m

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	29 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	11.6 %	
Lower explosion limit	1.7 %	
Vapour pressure	8.6 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.98 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	350 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity**Stability**

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

pentane-2,4-dione	Category 4
dibutylbis((1-oxododecyl)oxy)stannane	Category 2

Acute dermal toxicity

pentane-2,4-dione	Category 3
dibutylbis((1-oxododecyl)oxy)stannane	Category 3

Acute inhalation toxicity

pentane-2,4-dione	Category 3
dibutylbis((1-oxododecyl)oxy)stannane	Category 2

% of unknown composition 0 %

Skin corrosion/irritation

pentane-2,4-dione	Category 3
dibutylbis((1-oxododecyl)oxy)stannane	Category 1B

Serious eye damage/eye irritation

pentane-2,4-dione	Category 2A
dibutylbis((1-oxododecyl)oxy)stannane	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

pentane-2,4-dione	Category 1
dibutylbis((1-oxododecyl)oxy)stannane	Category 1

Germ cell mutagenicity

pentane-2,4-dione	Category 2
dibutylbis((1-oxododecyl)oxy)stannane	Category 2

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

dibutylbis((1-oxododecyl)oxy)stannane	Category 1A
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Target Organ Systemic Toxicant - Single exposure• **Inhalation****Central nervous system** pentane-2,4-dione**Target Organ Systemic Toxicant - Repeated exposure**• **Skin Absorption****Central nervous system** pentane-2,4-dione**Aspiration toxicity**

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

pentane-2,4-dione	Category 3
dibutylbis((1-oxododecyl)oxy)stannane	Category 1

Chronic aquatic toxicity

pentane-2,4-dione	Category 3
dibutylbis((1-oxododecyl)oxy)stannane	Category 1

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: yes [dibutylbis((1-oxododecyl)oxy)stannane]
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	To be determined
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Control T	This product must be tracked.
HSNO Classification	
Acute oral toxicity	Category 6.1D
Acute dermal toxicity	Category 6.1C
Acute inhalation toxicity	Category 6.1C
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Germ cell mutagenicity	Category 6.6B
Toxicity for reproduction	Category 6.8A
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B



16. Other information

Revision Note

Version	Changes
2.0	2, 7, 8, 11, 15

Revision Date: 2015-01-29
B12628587

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	9132 Imron 9100 Low Bake Thinner
Product code	9132
Intended use of the substance/preparation	Thinner for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Aspiration toxicity	Category 6.1E
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling



Hazard symbols

Signal word

Danger

Hazard statements

Highly flammable liquid and vapour.
May be harmful if inhaled.
Causes skin irritation.
Causes serious eye irritation.
Suspected of damaging fertility or the unborn child.
May be fatal if swallowed and enters airways.
Harmful to aquatic life.
Toxic to aquatic life with long lasting effects.

Precautionary statements

Avoid release to the environment.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.
 Obtain special instructions before use.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Do NOT induce vomiting.
 Collect spillage.
 IF exposed or concerned: Get medical advice/ attention.
 If eye irritation persists: Get medical advice/ attention.
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
98516-30-4	ethoxypropyl acetate	20 - 30%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
95-63-6	1,2,4-trimethylbenzene	5 - 10%	✓	
141-78-6	ethyl acetate	5 - 10%	✓	
110-19-0	isobutyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
108-67-8	mesitylene	1 - 3%	✓	
103-65-1	n-propylbenzene	1 - 3%	✓	
98-82-8	cumene	0.3 - 1.0%	✓	
108-88-3	toluene	0.0 - 0.1%	✓	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	TWA	217 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m ³
isobutyl acetate	TWA	150 ppm
	TWA	713 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
toluene	TWA	125 mg/m ³
	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Solvent Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	77 °C	
Flash point	22 °C	DIN 53213/ISO 1523
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	11 %	
Lower explosion limit	0.9 %	
Vapour pressure	15.6 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.89 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	325 °C	DIN 51794
Decomposition temperature		

Viscosity (23 °C)

| <20 s

ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
1,2,4-trimethylbenzene	Category 4
ethylbenzene	Category 4
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
xylene	Category 2
1,2,4-trimethylbenzene	Category 2

ethyl acetate	Category 3
isobutyl acetate	Category 2
ethylbenzene	Category 3
mesitylene	Category 3
n-propylbenzene	Category 3
toluene	Category 2

Serious eye damage/eye irritation

xylene	Category 2A
1,2,4-trimethylbenzene	Category 2A
ethyl acetate	Category 2A
isobutyl acetate	Category 2B
ethylbenzene	Category 2B
mesitylene	Category 2A
toluene	Category 2B

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 1
xylene	Category 2
1,2,4-trimethylbenzene	Category 1
isobutyl acetate	Category 1
ethylbenzene	Category 2
mesitylene	Category 1
n-propylbenzene	Category 1
cumene	Category 1
toluene	Category 1

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
isobutyl acetate	Category 3
ethylbenzene	Category 2
mesitylene	Category 2
n-propylbenzene	Category 2
cumene	Category 2
toluene	Category 2

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
n-propylbenzene	Category 2
cumene	Category 2

% of unknown composition 30%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Packing group: II
 Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: II
 Marine Pollutant: yes [solvent naphtha (petroleum), light arom. (<0,1% benzene)]
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Aspiration toxicity	Category 6.1E
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1B

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
	B11938952

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	12303S ALC008 Chromapremier Activ (AC)
Product code	12303S
Intended use of the substance/preparation	Hardener for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. In case of inadequate ventilation wear respiratory protection. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If skin irritation or rash occurs: Get medical advice/ attention.

Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains isocyanates. See information supplied by the manufacturer.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
28182-81-2	Hexamethylene diisocyanate, oligomers	50 - 60%	✓	
110-43-0	heptan-2-one	20 - 30%	✓	
53880-05-0	3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers	10 - 20%	✓	
123-86-4	n-butyl acetate	3 - 5%	✓	
624-54-4	pentyl propionate	3 - 5%	✓	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. Skin contact may cause skin sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts), concentrated (d : 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts), water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in non-sealed container. Once this stage is reached, close container and dispose according to local regulations (see section 13).

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name			
Hexamethylene diisocyanate, oligomers	STEL	0.07 mg/m ³	
	TWA	0.02 mg/m ³	
heptan-2-one	TWA	50 ppm	
	TWA	233 mg/m ³	
n-butyl acetate	TWA	150 ppm	
	STEL	200 ppm	
	STEL	950 mg/m ³	
	TWA	713 mg/m ³	

Engineering measures

Provide adequate ventilation. Air-fed protective respiratory equipment must be worn by spray operator even when good ventilation is provided.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

For spraying: air-fed respirator. For operations other than spraying: in well ventilated areas, air-fed respirators could be replaced by a combination of charcoal filter and particulate filter mask.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	127 °C	
Flash point	24 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	7.9 %	
Lower explosion limit	1.1 %	
Vapour pressure	1.6 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.02 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	375 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents and strongly acid or alkaline materials. Amines and alcohols cause exothermic reactions. Mixture reacts slowly with water resulting in evolution of CO₂. Evolution of CO₂ in closed containers causes overpressure and produces a risk of bursting.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen as well as hydrogen cyanide, amines, alcohols and water.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to

isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

Hexamethylene diisocyanate, oligomers	Category 4
heptan-2-one	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

Not classified according to GHS criteria

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Hexamethylene diisocyanate, oligomers	Category 1
---------------------------------------	------------

Skin sensitisation

Hexamethylene diisocyanate, oligomers	Category 1
3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Based on the properties of the isocyanate components and considering toxicological data on similar products, the following applies: This formulation may cause acute irritation and/or sensitization of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Components of the product may be absorbed into the body through the skin.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

heptan-2-one	Category 3
n-butyl acetate	Category 3
pentyl propionate	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
 B12731010

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.



End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	12305S ALC989 Activ Chroma Premier (AHS)
Product code	12305S
Intended use of the substance/preparation	Hardener for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Flammable liquid and vapour. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. In case of inadequate ventilation wear respiratory protection. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse.

Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains isocyanates. See information supplied by the manufacturer.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
28182-81-2	Hexamethylene diisocyanate, oligomers	60 - 70%	✓	
110-43-0	heptan-2-one	20 - 30%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
108-83-8	2,6-dimethylheptan-4-one	5 - 10%	✓	

Non-regulated ingredients 1 - 5%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. Skin contact may cause skin sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts), concentrated (d : 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts), water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in non-sealed container. Once this stage is reached, close container and dispose according to local regulations (see section 13).

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits Workplace Exposure Standards (WESs) 2002

Chemical Name		
Hexamethylene diisocyanate, oligomers	STEL	0.07 mg/m ³
	TWA	0.02 mg/m ³
heptan-2-one	TWA	50 ppm
	TWA	233 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
2,6-dimethylheptan-4-one	TWA	25 ppm
	TWA	145 mg/m ³

Engineering measures

Provide adequate ventilation. Air-fed protective respiratory equipment must be worn by spray operator even when good ventilation is provided.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

For spraying: air-fed respirator. For operations other than spraying: in well ventilated areas, air-fed respirators could be replaced by a combination of charcoal filter and particulate filter mask.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	152 °C	
Flash point	31 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.8 %	
Vapour pressure	1.9 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.02 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	345 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents and strongly acid or alkaline materials. Amines and alcohols cause exothermic reactions. Mixture reacts slowly with water resulting in evolution of CO₂. Evolution of CO₂ in closed containers causes overpressure and produces a risk of bursting.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen as well as hydrogen cyanide, amines, alcohols and water.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to

isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

Not classified according to GHS criteria

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

Not classified according to GHS criteria

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Hexamethylene diisocyanate, oligomers Category 1

Skin sensitisation

Hexamethylene diisocyanate, oligomers Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Based on the properties of the isocyanate components and considering toxicological data on similar products, the following applies: This formulation may cause acute irritation and/or sensitization of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Components of the product may be absorbed into the body through the skin.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

heptan-2-one	Category 3
n-butyl acetate	Category 3

% of unknown composition 1.3%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name:	PAINT RELATED MATERIAL
UN number:	1263
Hazard Class:	3
Packing group:	III
Hazchem Code:	3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662
HSNO Classification
Respiratory sensitisation Category 6.5A
Skin sensitisation Category 6.5B
Flammable liquids Category 3.1C
Acute aquatic toxicity Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-08
B11933167

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	12365S NLC673 Reducer Fast Chromapremier
Product code	12365S
Intended use of the substance/preparation	Thinner for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

IF exposed or concerned: Get medical advice/ attention.
If eye irritation persists: Get medical advice/ attention.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
123-86-4	n-butyl acetate	30 - 40%	✓	
78-93-3	butanone	20 - 30%	✓	
108-88-3	toluene	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	

Non-regulated ingredients 0.0 - 0.1%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m ³
	TWA	445 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
butanone	Viton (R) [®]	0.7 mm	10 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Solvent Odor Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	78 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	11 %	
Lower explosion limit	1 %	
Vapour pressure	37.3 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.85 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	404 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
butanone	Category 3
toluene	Category 2
xylene	Category 2
ethylbenzene	Category 3

Serious eye damage/eye irritation

butanone	Category 2A
toluene	Category 2B
xylene	Category 2A
ethylbenzene	Category 2B

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

not hazardous

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

No data available.

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbition, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
toluene	Category 2
xylene	Category 3
ethylbenzene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Packing group: II
 Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: II
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
B10479557	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of



its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	12375S NLC674 Reducer Med Chromapremier
Product code	12375S
Intended use of the substance/preparation	Thinner for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1D
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF exposed or concerned: Get medical advice/ attention.
If eye irritation persists: Get medical advice/ attention.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
123-86-4	n-butyl acetate	30 - 40%	✓	
110-43-0	heptan-2-one	20 - 30%	✓	
1330-20-7	xylene	10 - 20%	✓	
108-10-1	4-methylpentan-2-one	5 - 10%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 0.0 - 0.1%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits Workplace Exposure Standards (WESs) 2002

Chemical Name			
n-butyl acetate	TWA	150 ppm	
	STEL	200 ppm	
	STEL	950 mg/m ³	
	TWA	713 mg/m ³	
heptan-2-one	TWA	50 ppm	
	TWA	233 mg/m ³	
xylene	TWA	50 ppm	
	TWA	217 mg/m ³	
4-methylpentan-2-one	TWA	50 ppm	
	STEL	75 ppm	
	STEL	307 mg/m ³	
	TWA	205 mg/m ³	
ethylbenzene	TWA	100 ppm	
	STEL	125 ppm	
	STEL	543 mg/m ³	
	TWA	434 mg/m ³	
toluene	TWA	50 ppm	
	TWA	188 mg/m ³	

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min

Chemical Name	Glove material	Glove thickness	Break through time
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Solvent Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	114 °C	
Flash point	29 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	11.1 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.85 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	393 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

heptan-2-one	Category 4
xylene	Category 4
4-methylpentan-2-one	Category 4
ethylbenzene	Category 4
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
heptan-2-one	Category 2
xylene	Category 2
4-methylpentan-2-one	Category 3
ethylbenzene	Category 3
toluene	Category 2

Serious eye damage/eye irritation

heptan-2-one	Category 2B
xylene	Category 2A
4-methylpentan-2-one	Category 2A
ethylbenzene	Category 2B
toluene	Category 2B

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

not hazardous

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
heptan-2-one	Category 3
xylene	Category 3
ethylbenzene	Category 2
toluene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1D
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C



16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-08
B12776885

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	12385S NLC675 Reducer Slow Chromapremier
Product code	12385S
Intended use of the substance/preparation	Thinner for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute oral toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1D
Skin corrosion/irritation	Category 6.3A
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if swallowed. Harmful if inhaled. Causes skin irritation. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
110-43-0	heptan-2-one	60 - 70%	✓	
1330-20-7	xylene	10 - 20%	✓	
108-83-8	2,6-dimethylheptan-4-one	5 - 10%	✓	
624-54-4	pentyl propionate	3 - 5%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	

Non-regulated ingredients 1 - 5%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Chemical Name

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name

Chemical Name	Exposure Limit	Value
heptan-2-one	TWA	50 ppm
	TWA	233 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
2,6-dimethylheptan-4-one	TWA	25 ppm
	TWA	145 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odour: Characteristic Solvent Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	31 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	7.9 %	
Lower explosion limit	0.8 %	
Vapour pressure	3.8 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.82 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	345 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity**Stability**

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

heptan-2-one	Category 4
xylene	Category 5
2,6-dimethylheptan-4-one	Category 4
ethylbenzene	Category 5

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

heptan-2-one	Category 4
xylene	Category 4
ethylbenzene	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

heptan-2-one	Category 2
xylene	Category 2
2,6-dimethylheptan-4-one	Category 3
ethylbenzene	Category 3

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

heptan-2-one	Category 3
xylene	Category 3
pentyl propionate	Category 2
ethylbenzene	Category 2

% of unknown composition 1.8%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Packing group: III
Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662
HSNO Classification
Acute oral toxicity Category 6.1E
Acute inhalation toxicity Category 6.1D
Skin corrosion/irritation Category 6.3A
Flammable liquids Category 3.1C
Acute aquatic toxicity Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B12689748

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	19301S ALC959 Chroma System Blender
Product code	19301S
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Highly flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life.</p>
Precautionary statements	<p>Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed.</p>

Obtain special instructions before use.
Wear protective gloves/protective clothing/eye protection/face protection.
IF exposed or concerned: Get medical advice/ attention.
If eye irritation persists: Get medical advice/ attention.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
108-65-6	2-methoxy-1-methylethyl acetate	20 - 30%	✓	
67-63-0	propan-2-ol	10 - 20%	✓	
108-10-1	4-methylpentan-2-one	10 - 20%	✓	
108-88-3	toluene	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
67-64-1	acetone	1 - 3%	✓	
123-86-4	n-butyl acetate	1 - 3%	✓	
110-43-0	heptan-2-one	1 - 3%	✓	
98-56-6	4-chloro-a,a,a-trifluorotoluene	0.3 - 1.0%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	

Non-regulated ingredients 5 - 10%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area. During baking at temperatures above 400°C, small amounts of hydrogen fluoride can be evolved; these amounts increase as temperatures. Hydrogen fluoride vapours are very toxic and cause skin and eye irritation. Above 430°C an explosive reaction may occur if finely divided fluorocarbon comes into contact with metal powder (aluminium or magnesium). Operations such as grinding, buffing or grit blasting may generate such mixtures. Avoid any dust buildup with fluorocarbons and metal mixtures.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection**National occupational exposure limits****Workplace Exposure Standards (WESs) 2002**

Chemical Name		
propan-2-ol	TWA	400 ppm
	STEL	500 ppm
	STEL	1,230 mg/m ³
	TWA	983 mg/m ³
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m ³
	TWA	205 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
acetone	TWA	500 ppm
	STEL	1,000 ppm
	STEL	2,375 mg/m ³
	TWA	1,185 mg/m ³
n-butyl acetate	TWA	150 ppm

 Chemical Name

	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
heptan-2-one	TWA	50 ppm
	TWA	233 mg/m ³
4-chloro-a,a,a-trifluorotoluene	TWA	2.5 mg/m ³
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m ³
	TWA	445 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
butanone	Viton (R) ®	0.7 mm	10 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	83 °C	
Flash point	9 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	12 %	
Lower explosion limit	1 %	
Vapour pressure	20.2 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.88 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

In the event of fire Carbon monoxide, fluorinated hydrocarbons, hydrogen fluoride, nitrogen oxides may be formed.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. The thermal decomposition vapours of fluorinated polymers may cause polymer fume fever with flu-like symptoms in humans, especially when smoking contaminated tobacco. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent.

Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

4-methylpentan-2-one	Category 4
toluene	Category 5
xylene	Category 4
ethylbenzene	Category 4
heptan-2-one	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

propan-2-ol	Category 3
4-methylpentan-2-one	Category 3
toluene	Category 2
xylene	Category 2
ethylbenzene	Category 3
acetone	Category 3
n-butyl acetate	Category 3
heptan-2-one	Category 2
butanone	Category 3

Serious eye damage/eye irritation

2-methoxy-1-methylethyl acetate	Category 2A
propan-2-ol	Category 2A
4-methylpentan-2-one	Category 2A
toluene	Category 2B
xylene	Category 2A
ethylbenzene	Category 2B
acetone	Category 2A
heptan-2-one	Category 2B
butanone	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

No data available.

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

toluene	Category 2
xylene	Category 3
ethylbenzene	Category 2
n-butyl acetate	Category 3
heptan-2-one	Category 3

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Packing group: II
 Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: II
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C

16. Other information

Revision Note



Version	Changes
1.0	

Revision Date: 2014-12-05
RK-34087

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	42440S ACN249 Med Gray Sealer
Product code	42440S
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3A
Toxicity for reproduction	Category 6.8A
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Flammable liquid and vapour. Causes skin irritation. May damage fertility or the unborn child. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Collect spillage. IF exposed or concerned: Get medical advice/ attention. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
7727-43-7	barium sulphate, natural	10 - 20%		
1317-65-3	Limestone (calcium carbonate)	10 - 20%		
1330-20-7	xylene	10 - 20%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	5 - 10%		
13463-67-7	Titanium dioxide	5 - 10%		
7779-90-0	trizinc bis(orthophosphate)	5 - 10%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
110-43-0	heptan-2-one	3 - 5%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	3 - 5%	✓	
108-83-8	2,6-dimethylheptan-4-one	1 - 3%	✓	
21645-51-2	aluminium hydroxide	0.3 - 1.0%		
1333-86-4	carbon black	0.1 - 0.3%		
872-50-4	N-methyl-2-pyrrolidone	0.1 - 0.3%	✓	

Non-regulated ingredients 10 - 20%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection
**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
barium sulphate, natural	TWA	10 mg/m3
Limestone (calcium carbonate)	TWA	10 mg/m3
xylene	TWA	50 ppm
	TWA	217 mg/m3
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m3
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	TWA	713 mg/m3
	TWA	2 mg/m3
	TWA	10 mg/m3
Titanium dioxide	TWA	10 mg/m3
	TWA	10 mg/m3
	TWA	100 ppm
trizinc bis(orthophosphate)	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
heptan-2-one	TWA	50 ppm
	TWA	233 mg/m3
2,6-dimethylheptan-4-one	TWA	25 ppm
	TWA	145 mg/m3
aluminium hydroxide	TWA	2 mg/m3
carbon black	TWA	3 mg/m3
N-methyl-2-pyrrolidone	TWA	25 ppm
	STEL	75 ppm
	STEL	309 mg/m3
	TWA	103 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
N-methyl-2-pyrrolidone	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	60 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: grey Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	135 °C
Flash point	31 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	10.3 %
Lower explosion limit	1 %

Vapour pressure	2.6 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.54 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
heptan-2-one	Category 2
2,6-dimethylheptan-4-one	Category 3
N-methyl-2-pyrrolidone	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

N-methyl-2-pyrrolidone Category 1B

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbition, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
Titanium dioxide	Category 3
trizinc bis(orthophosphate)	Category 1

ethylbenzene	Category 2
heptan-2-one	Category 3
aluminium hydroxide	Category 1

Chronic aquatic toxicity

trizinc bis(orthophosphate)	Category 1
aluminium hydroxide	Category 1

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: yes [trizinc bis(orthophosphate)]
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

**Matters needing attention for transportation**

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Toxicity for reproduction	Category 6.8A
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-29
B12729774

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	42475S NLC338 Reducer Mid Temp
Product code	42475S
Intended use of the substance/preparation	Solvent for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 8.2B
Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8A
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>May damage fertility or the unborn child. Flammable liquid and vapour. Harmful to aquatic life. May cause an allergic skin reaction. Causes severe skin burns and eye damage. Causes serious eye damage.</p>
Precautionary statements	<p>Obtain special instructions before use. IF exposed or concerned: Get medical advice/ attention. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Store in a well-ventilated place. Keep cool. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.</p>

If skin irritation or rash occurs: Get medical advice/ attention.
Immediately call a POISON CENTER or doctor/ physician.
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Do not breathe dust or mist.
IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
108-65-6	2-methoxy-1-methylethyl acetate	50 - 60%	✓	
624-54-4	pentyl propionate	20 - 30%	✓	
54914-37-3	diamin, cycloaliphatic	10 - 20%	✓	
70657-70-4	2-methoxypropyl-1-acetate	0.1 - 0.3%	✓	

Non-regulated ingredients 0.0 - 0.1%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of Previn® or water.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Avoid heating above flash point. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Do not store mixtures in metal containers because of the possibility of pressure build-up. Use glass or plastic as appropriate.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits Workplace Exposure Standards (WESs) 2002

The product contains no substances classified as hazardous to health by an OEL value in concentrations which should be taken into account.

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Eye protection

Use safety eyewear designed to protect against splash of products.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Glove material	Glove thickness	Break through time
Nitrile rubber	0.33 mm	60 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Solvent Odor Odor Threshold : no data available

pH	No data available.
Freezing point	Not applicable.
Boiling point	140 °C

Flash point	50 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	7 %	
Lower explosion limit	1 %	
Vapour pressure	2.2 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.92 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	240 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

diamin, cycloaliphatic Category 1B

Serious eye damage/eye irritation2-methoxy-1-methylethyl acetate Category 2A
diamin, cycloaliphatic Category 1**Respiratory sensitisation**

Not classified according to GHS criteria

Skin sensitisation

diamin, cycloaliphatic Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

2-methoxypropyl-1-acetate Category 1B

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

pentyl propionate Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT, FLAMMABLE, CORROSIVE

UN number: 3469

Hazard Class: 3

Packing group: III

Hazchem Code: 3W

IMDG (Sea transport)

Proper shipping name: PAINT, FLAMMABLE, CORROSIVE

UN number: 3469

Hazard Class: 3

Subsidiary Hazard Class: 8

Packing group: III

Marine Pollutant: no

EmS: F-E,S-C

ICAO/IATA (Air transport)

Proper shipping name: PAINT, FLAMMABLE, CORROSIVE

UN number: 3469

Hazard Class: 3

Subsidiary Hazard Class: 8

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.



15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002663
HSNO Classification	
Skin corrosion/irritation	Category 8.2B
Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8A
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
B12729617	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	42495S ALC339 Reducer High Temp
Product code	42495S
Intended use of the substance/preparation	Solvent for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 8.2B
Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Flammable liquid and vapour. Toxic to aquatic life. May cause an allergic skin reaction. Causes severe skin burns and eye damage. Causes serious eye damage.
Precautionary statements	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Store in a well-ventilated place. Keep cool. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. If skin irritation or rash occurs: Get medical advice/ attention. Immediately call a POISON CENTER or doctor/ physician. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Do not breathe dust or mist.
IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
624-54-4	pentyl propionate	40 - 50%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	20 - 30%	✓	
54914-37-3	diamin, cycloaliphatic	10 - 20%	✓	
763-69-9	ethyl 3-ethoxypropionate	10 - 20%	✓	

Non-regulated ingredients 0.0 - 0.1%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of Previn® or water.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Avoid heating above flash point. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Do not store mixtures in metal containers because of the possibility of pressure build-up. Use glass or plastic as appropriate.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits Workplace Exposure Standards (WESs) 2002

The product contains no substances classified as hazardous to health by an OEL value in concentrations which should be taken into account.

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Eye protection

Use safety eyewear designed to protect against splash of products.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Glove material	Glove thickness	Break through time
Nitrile rubber	0.33 mm	60 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Solvent Odor Odor Threshold : no data available

pH	No data available.
Freezing point	Not applicable.
Boiling point	140 °C
Flash point	50 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	7 %

Lower explosion limit	1 %	
Vapour pressure	1.1 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.9 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	240 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

diamin, cycloaliphatic	Category 1B
ethyl 3-ethoxypropionate	Category 3

Serious eye damage/eye irritation

2-methoxy-1-methylethyl acetate	Category 2A
diamin, cycloaliphatic	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

diamin, cycloaliphatic	Category 1
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Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

pentyl propionate	Category 2
ethyl 3-ethoxypropionate	Category 3

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE

UN number: 3469

Hazard Class: 3

Packing group: III

Hazchem Code: 3W

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE

UN number: 3469

Hazard Class: 3

Subsidiary Hazard Class: 8

Packing group: III

Marine Pollutant: no

EmS: F-E,S-C

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE

UN number: 3469

Hazard Class: 3

Subsidiary Hazard Class: 8

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

**National regulatory information**

HSNO Approval Code	HSR002663
HSNO Classification	
Skin corrosion/irritation	Category 8.2B
Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1B

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
B12729628	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	Axalta Industrial Multi Thinner
Product code	8210089
Intended use of the substance/preparation	
Solvent for professional use	
Supplier	
Axalta Coating Systems Australia Pty Limited	
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Resene Automotive & Light Industrial	
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.
Precautionary statements	Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. IF exposed or concerned: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
108-88-3	toluene	60 - 70%	✓	
67-64-1	acetone	10 - 20%	✓	
64-17-5	ethanol	5 - 10%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	3 - 5%	✓	
78-93-3	butanone	1 - 3%	✓	
1330-20-7	xylene	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.1 - 0.3%	✓	

Non-regulated ingredients 0.0 - 0.1%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
toluene	TWA	50 ppm
	TWA	188 mg/m ³
acetone	TWA	500 ppm

Chemical Name		
	STEL	1,000 ppm
	STEL	2,375 mg/m ³
	TWA	1,185 mg/m ³
ethanol	TWA	1,000 ppm
	TWA	1,880 mg/m ³
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m ³
	TWA	445 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
butanone	Viton (R) [®]	0.7 mm	10 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier

on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: transparent Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	74 °C	
Flash point	-20 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	19 %	
Lower explosion limit	1.2 %	
Vapour pressure	71.8 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.84 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

toluene	Category 2
acetone	Category 3
butanone	Category 3
xylene	Category 2
ethylbenzene	Category 3

Serious eye damage/eye irritation

toluene	Category 2B
acetone	Category 2A
ethanol	Category 2A
2-methoxy-1-methylethyl acetate	Category 2A
butanone	Category 2A
xylene	Category 2A
ethylbenzene	Category 2B

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

No data available.

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Chronic aquatic toxicity

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL



UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Flammable liquids	Category 3.1B

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-11-06
B12725362

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	Satin Black QD Enamel
Product code	38375523
Intended use of the substance/preparation	
Coating for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Highly flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life.</p>

Harmful to aquatic life with long lasting effects.

Precautionary statements

Avoid release to the environment.
 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Keep container tightly closed.
 Obtain special instructions before use.
 Wear protective gloves/protective clothing/eye protection/face protection.
 IF exposed or concerned: Get medical advice/ attention.
 If eye irritation persists: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
64742-89-8	naphtha (petroleum), hydrotreated light (<0,1% benzene)	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
64742-88-7	solvent naphtha (petroleum), medium aliph.	5 - 10%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	5 - 10%	✓	
1333-86-4	carbon black	3 - 5%		
100-41-4	ethylbenzene	3 - 5%	✓	
110-54-3	n-hexane	3 - 5%	✓	
108-88-3	toluene	3 - 5%	✓	
112926-00-8	Amorphous silica - precipitated	1 - 3%		
96-29-7	2-butanone oxime	1 - 3%	✓	
71-36-3	n-butanol	1 - 3%	✓	
78-83-1	iso-butanol	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
xylene	TWA	50 ppm
	TWA	217 mg/m ³
carbon black	TWA	3 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
n-hexane	TWA	20 ppm
	TWA	72 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³
Amorphous silica - precipitated	TWA	10 mg/m ³
n-butanol	CEIL	150 mg/m ³
	CEIL	50 ppm
iso-butanol	TWA	50 ppm
	TWA	152 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
solvent naphtha (petroleum), medium aliph.	Viton (R) ®	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min
n-butanol	Viton (R) ®	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: black Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	66 °C
Flash point	-6 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	7 %
Lower explosion limit	0.9 %

Vapour pressure	14.7 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.95 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	231 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

The product contains ingredients which, under certain conditions, also may release formaldehyde. If necessary, the precise concentration has to be determined. When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
toluene	Category 5
2-butanone oxime	Category 4
n-butanol	Category 5

% of unknown composition 33.3 %

Skin corrosion/irritation

naphtha (petroleum), hydrotreated light (<0,1% benzene)	Category 2
xylene	Category 2
solvent naphtha (petroleum), medium aliph.	Category 3
ethylbenzene	Category 3
n-hexane	Category 2
toluene	Category 2
2-butanone oxime	Category 3
n-butanol	Category 2
iso-butanol	Category 2

Serious eye damage/eye irritation

xylene	Category 2A
2-methoxy-1-methylethyl acetate	Category 2A
ethylbenzene	Category 2B
n-hexane	Category 2B
toluene	Category 2B
2-butanone oxime	Category 1
n-butanol	Category 1
iso-butanol	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

2-butanone oxime Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

2-butanone oxime Category 2

Toxicity for reproduction

solvent naphtha (petroleum), medium aliph.	Category 2
n-hexane	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

- Skin Absorption

Testes n-hexane, solvent naphtha (petroleum), medium aliph.

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
ethylbenzene	Category 2
n-hexane	Category 2
toluene	Category 2
2-butanone oxime	Category 3

Chronic aquatic toxicity

naphtha (petroleum), hydrotreated light (<0,1% benzene)	Category 2
solvent naphtha (petroleum), medium aliph.	Category 2
n-hexane	Category 2

% of unknown composition 33.3%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Packing group: II
 Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: II
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002669
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29
 B12725018

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	A-2320S SCXX Flex Part Cleaner
Product code	A-2320S
Intended use of the substance/preparation	Cleaning agent for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Acute oral toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Germ cell mutagenicity	Category 6.6A
Carcinogenicity	Category 6.7A
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	May cause genetic defects. May cause cancer. Harmful to aquatic life. May be harmful if swallowed or if inhaled.
Precautionary statements	Obtain special instructions before use. IF exposed or concerned: Get medical advice/ attention. Use personal protective equipment as required. Avoid release to the environment.

Other hazards which do not result in classification

Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
110-43-0	heptan-2-one	30 - 40%	✓	
68476-85-7	propane	20 - 30%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	20 - 30%	✓	
67-63-0	propan-2-ol	5 - 10%	✓	
142-82-5	heptane (mixture of isomers)	0.1 - 0.3%	✓	
111-65-9	octane	0.1 - 0.3%	✓	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
heptan-2-one	TWA	50 ppm
	TWA	233 mg/m ³
propane	TWA	1,000 ppm
	TWA	1,800 mg/m ³

 Chemical Name

propan-2-ol	TWA	400 ppm
	STEL	500 ppm
	STEL	1,230 mg/m ³
heptane (mixture of isomers)	TWA	983 mg/m ³
	TWA	400 ppm
	STEL	500 ppm
octane	STEL	2,050 mg/m ³
	TWA	1,640 mg/m ³
	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m ³
	TWA	1,400 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Glove material	Glove thickness	Break through time
Nitrile rubber	0.33 mm	60 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : aerosol Colour: clear Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	-12 °C	
Flash point	-15 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	12 %	
Lower explosion limit	0.9 %	
Vapour pressure	261.1 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.7 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	232 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity**Stability**

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

heptan-2-one	Category 4
octane	Category 5

Acute dermal toxicity

Not classified according to GHS criteria

Acute inhalation toxicity

heptan-2-one	Category 4
low boiling point naphtha (<0,1% benzene)	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

Not classified according to GHS criteria

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

propane	Category 1B
low boiling point naphtha (<0,1% benzene)	Category 1B

Carcinogenicity

propane	Category 1A
low boiling point naphtha (<0,1% benzene)	Category 1B

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss

of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

heptan-2-one	Category 3
heptane (mixture of isomers)	Category 1
octane	Category 1

% of unknown composition 29%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

14. Transport information

NZS5433

Proper shipping name: AEROSOLS

UN number: 1950

Hazard Class: 2.1

Packing group:

Hazchem Code:

IMDG (Sea transport)

Proper shipping name: AEROSOLS

UN number: 1950

Hazard Class: 2.1

Subsidiary Hazard Class: Not applicable.

Packing group:

Marine Pollutant: no

EmS: F-D,S-U

ICAO/IATA (Air transport)

Proper shipping name: AEROSOLS, flammable



UN number: 1950
Hazard Class: 2.1
Subsidiary Hazard Class: Not applicable.
Packing group:

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002520
HSNO Control A This product must be under the control of an approved handler during use.
HSNO Classification
Acute oral toxicity Category 6.1E
Acute inhalation toxicity Category 6.1E
Germ cell mutagenicity Category 6.6A
Carcinogenicity Category 6.7A
Acute aquatic toxicity Category 9.1C

16. Other information

Revision Note

Version	Changes
1.1	11

Revision Date: 2015-01-29
B12806542

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	A-3130S UVA Aerosol Primer (340g)
Product code	A-3130S
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	<p>Suspected of damaging fertility or the unborn child. Harmful to aquatic life. Harmful to aquatic life with long lasting effects. May cause damage to organs through prolonged or repeated exposure. May cause an allergic skin reaction. Causes serious eye irritation.</p>
Precautionary statements	<p>Obtain special instructions before use. IF exposed or concerned: Get medical advice/ attention. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Wear protective gloves/protective clothing/eye protection/face protection. If skin irritation or rash occurs: Get medical advice/ attention.</p>

Wash contaminated clothing before reuse.
If eye irritation persists: Get medical advice/ attention.

Other hazards which do not result in classification

Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
67-64-1	acetone	20 - 30%	✓	
115-10-6	dimethyl ether	20 - 30%	✓	
345910-11-4	unsaturadet Epoxy Acrylate Resin	5 - 10%	✓	
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	5 - 10%		
108-88-3	toluene	5 - 10%	✓	
No information available.	unsaturated Urethane acrylate resin	5 - 10%	✓	
7727-43-7	barium sulphate, natural	3 - 5%		
No information available.	Acid modified methacrylate	1 - 3%	✓	
5888-33-5	exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate	1 - 3%	✓	
109-60-4	Propyl acetate	1 - 3%	✓	
162881-26-7	bis(2,4,6-trimethylbenzoyl)phenylphosphine oxide	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
7779-90-0	trizinc bis(orthophosphate)	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
71-36-3	n-butanol	0.3 - 1.0%	✓	
7664-38-2	phosphoric acid	0.1 - 0.3%	✓	
13463-67-7	Titanium dioxide	0.1 - 0.3%		

Non-regulated ingredients 1 - 5%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
acetone	TWA	500 ppm
	STEL	1,000 ppm
	STEL	2,375 mg/m ³
	TWA	1,185 mg/m ³
dimethyl ether	TWA	400 ppm
	STEL	500 ppm
	STEL	958 mg/m ³
	TWA	766 mg/m ³
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	TWA	2 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³
barium sulphate, natural	TWA	10 mg/m ³
Propyl acetate	TWA	200 ppm
	STEL	250 ppm
	STEL	1,040 mg/m ³
xylene	TWA	835 mg/m ³
	TWA	50 ppm
trizinc bis(orthophosphate)	TWA	217 mg/m ³
	TWA	10 mg/m ³

 Chemical Name

ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
n-butanol	TWA	434 mg/m ³
	CEIL	150 mg/m ³
phosphoric acid	CEIL	50 ppm
	TWA	1 mg/m ³
Titanium dioxide	TWA	10 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butanol	Viton (R) ®	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : aerosol Colour: grey Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	-24 °C	
Flash point	-15 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	18.6 %	
Lower explosion limit	1.1 %	
Vapour pressure	356.1 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.91 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	235 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

Not classified according to GHS criteria

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 1.4 %

Skin corrosion/irritation

Not classified according to GHS criteria

Serious eye damage/eye irritation

acetone	Category 2A
unsaturated Epoxy Acrylate Resin	Category 2A
toluene	Category 2B
unsaturated Urethane acrylate resin	Category 2A
Acid modified methacrylate	Category 2A
exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate	Category 2A
Propyl acetate	Category 2A
xylene	Category 2A
ethylbenzene	Category 2B
n-butanol	Category 1
phosphoric acid	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

bis(2,4,6-trimethylbenzoyl)phenylphosphine oxide Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

No data available.

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous

system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

toluene	Category 2
xylene	Category 3
trizinc bis(orthophosphate)	Category 1
ethylbenzene	Category 2
phosphoric acid	Category 3
Titanium dioxide	Category 3

Chronic aquatic toxicity

unsaturadet Epoxy Acrylate Resin	Category 2
unsaturated Urethane acrylate resin	Category 3
exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate	Category 2
Propyl acetate	Category 4
bis(2,4,6-trimethylbenzoyl)phenylphosphine oxide	Category 4
trizinc bis(orthophosphate)	Category 1

% of unknown composition 1.4%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

14. Transport information

NZS5433	
Proper shipping name:	AEROSOLS
UN number:	1950
Hazard Class:	2.1
Packing group:	

Hazchem Code:

IMDG (Sea transport)

Proper shipping name: AEROSOLS

UN number: 1950

Hazard Class: 2.1

Subsidiary Hazard Class: Not applicable.

Packing group:

Marine Pollutant: yes [unsaturadet Epoxy Acrylate Resin]

EmS: F-D,S-U

ICAO/IATA (Air transport)

Proper shipping name: AEROSOLS, flammable

UN number: 1950

Hazard Class: 2.1

Subsidiary Hazard Class: Not applicable.

Packing group:

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002520
HSNO Classification	
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
180-30577

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	A-3970S SCXX Low Temp Aerosol Surf Klean
Product code	A-3970S
Intended use of the substance/preparation	Cleaning agent for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Acute aquatic toxicity	Category 9.1A
Chronic aquatic toxicity	Category 9.1A

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Suspected of damaging fertility or the unborn child. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. May cause damage to organs through prolonged or repeated exposure.
Precautionary statements	Obtain special instructions before use. IF exposed or concerned: Get medical advice/ attention. Use personal protective equipment as required. Avoid release to the environment. Collect spillage. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

Other hazards which do not result in classification

Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
142-82-5	heptane (mixture of isomers)	50 - 60%	✓	
64742-47-8	Distillates (petroleum), hydrotreated light	10 - 20%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	10 - 20%	✓	
108-88-3	toluene	5 - 10%	✓	
124-38-9	Carbon dioxide	3 - 5%		
108-87-2	methylcyclohexane	1 - 3%	✓	
64742-49-0	naphtha (petroleum), hydrotreated light (<0,1% benzene)	1 - 3%	✓	
67-63-0	propan-2-ol	0.3 - 1.0%	✓	
111-65-9	octane	0.1 - 0.3%	✓	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Chemical Name

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name

heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m ³
toluene	TWA	1,640 mg/m ³
	TWA	50 ppm
Carbon dioxide	TWA	188 mg/m ³
	TWA	5,000 ppm
	STEL	30,000 ppm
	STEL	54,000 mg/m ³
methylcyclohexane	TWA	9,000 mg/m ³
	TWA	400 ppm
propan-2-ol	TWA	1,610 mg/m ³
	TWA	400 ppm
	STEL	500 ppm
	STEL	1,230 mg/m ³
octane	TWA	983 mg/m ³
	TWA	300 ppm
	STEL	375 ppm
	STEL	1,750 mg/m ³
	TWA	1,400 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Glove material	Glove thickness	Break through time
Nitrile rubber	0.33 mm	60 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : aerosol Colour: clear Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	109 °C	
Flash point	-15 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.5 %	
Vapour pressure	34.7 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.76 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	215 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

Not classified according to GHS criteria

Acute inhalation toxicity

Not classified according to GHS criteria

% of unknown composition 0 %

Skin corrosion/irritation

Not classified according to GHS criteria

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

No data available.

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

heptane (mixture of isomers)	Category 1
Distillates (petroleum), hydrotreated light	Category 2
toluene	Category 2
methylcyclohexane	Category 2
octane	Category 1

Chronic aquatic toxicity

heptane (mixture of isomers)	Category 1
Distillates (petroleum), hydrotreated light	Category 2
methylcyclohexane	Category 2
naphtha (petroleum), hydrotreated light (<0,1% benzene)	Category 2
octane	Category 1

% of unknown composition 17.4%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

14. Transport information

NZS5433

Proper shipping name: AEROSOLS

UN number: 1950

Hazard Class: 2.1

Packing group:

Hazchem Code:

IMDG (Sea transport)

Proper shipping name: AEROSOLS

UN number: 1950

Hazard Class: 2.1

Subsidiary Hazard Class: Not applicable.

Packing group:

Marine Pollutant: yes [heptane (mixture of isomers)]

EmS: F-D,S-U

ICAO/IATA (Air transport)

Proper shipping name: AEROSOLS, flammable

UN number: 1950

Hazard Class: 2.1

Subsidiary Hazard Class: Not applicable.

Packing group:

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code

HSR002520

HSNO Control A

This product must be under the control of an approved handler during use.

HSNO Control T

This product must be tracked.

HSNO Classification

Toxicity for reproduction

Category 6.8B

Target Organ Systemic Toxicant - Repeated exposure

Category 6.9B

Acute aquatic toxicity

Category 9.1A

Chronic aquatic toxicity

Category 9.1A

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
	180- 3970

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	A-3990S SCXX Hi Temp Aerosol Surf Kleanr
Product code	A-3990S
Intended use of the substance/preparation	Cleaning agent for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Acute aquatic toxicity	Category 9.1A
Chronic aquatic toxicity	Category 9.1A

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Suspected of damaging fertility or the unborn child. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. May cause damage to organs through prolonged or repeated exposure.
Precautionary statements	Obtain special instructions before use. IF exposed or concerned: Get medical advice/ attention. Use personal protective equipment as required. Avoid release to the environment. Collect spillage. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

Other hazards which do not result in classification

Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
64742-47-8	Distillates (petroleum), hydrotreated light	50 - 60%	✓	
142-82-5	heptane (mixture of isomers)	20 - 30%	✓	
108-88-3	toluene	5 - 10%	✓	
8032-32-4	low boiling point naphtha (<0,1% benzene)	5 - 10%	✓	
124-38-9	Carbon dioxide	3 - 5%		
108-87-2	methylcyclohexane	0.3 - 1.0%	✓	
67-63-0	propan-2-ol	0.1 - 0.3%	✓	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m ³
	TWA	1,640 mg/m ³

 Chemical Name

toluene	TWA	50 ppm
	TWA	188 mg/m ³
Carbon dioxide	TWA	5,000 ppm
	STEL	30,000 ppm
	STEL	54,000 mg/m ³
	TWA	9,000 mg/m ³
methylcyclohexane	TWA	400 ppm
	TWA	1,610 mg/m ³
propan-2-ol	TWA	400 ppm
	STEL	500 ppm
	STEL	1,230 mg/m ³
	TWA	983 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Glove material	Glove thickness	Break through time
Nitrile rubber	0.33 mm	60 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : aerosol Colour: clear Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	109 °C	
Flash point	-15 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.2 %	
Lower explosion limit	0.5 %	
Vapour pressure	19.2 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.79 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	215 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity**Stability**

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

Not classified according to GHS criteria

Acute inhalation toxicity

Not classified according to GHS criteria

% of unknown composition 0 %

Skin corrosion/irritation

Not classified according to GHS criteria

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

No data available.

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

Distillates (petroleum), hydrotreated light	Category 2
heptane (mixture of isomers)	Category 1
toluene	Category 2
methylcyclohexane	Category 2

Chronic aquatic toxicity

Distillates (petroleum), hydrotreated light	Category 2
heptane (mixture of isomers)	Category 1
methylcyclohexane	Category 2

% of unknown composition 10%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

14. Transport information

NZS5433

Proper shipping name: AEROSOLS

UN number: 1950

Hazard Class: 2.1

Packing group:

Hazchem Code:

IMDG (Sea transport)

Proper shipping name: AEROSOLS

UN number: 1950

Hazard Class: 2.1

Subsidiary Hazard Class: Not applicable.

Packing group:

Marine Pollutant: yes [heptane (mixture of isomers)]

EmS: F-D,S-U

ICAO/IATA (Air transport)

Proper shipping name: AEROSOLS, flammable

UN number: 1950



Hazard Class: 2.1
Subsidiary Hazard Class: Not applicable.
Packing group:

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002520
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Control T	This product must be tracked.
HSNO Classification	
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Acute aquatic toxicity	Category 9.1A
Chronic aquatic toxicity	Category 9.1A

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
180- 3990

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	A-4115S SCXX Self Etching Primer
Product code	A-4115S
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Germ cell mutagenicity	Category 6.6A
Carcinogenicity	Category 6.7A
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are ""not classified"", ""cannot classified"" and ""not applicable"" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>May cause genetic defects. May cause cancer. Harmful to aquatic life. Harmful to aquatic life with long lasting effects. May cause an allergic skin reaction. Causes serious eye damage.</p>
Precautionary statements	<p>Obtain special instructions before use. IF exposed or concerned: Get medical advice/ attention. Avoid release to the environment. Avoid breathing dust/ vapours/ spray. Wear protective gloves/protective clothing/eye protection/face protection. If skin irritation or rash occurs: Get medical advice/ attention.</p>

Wash contaminated clothing before reuse.
 Immediately call a POISON CENTER or doctor/ physician.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Other hazards which do not result in classification

Contains epoxy constituents. See information supplied by the manufacturer. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
67-64-1	acetone	20 - 30%	✓	
68476-85-7	propane	10 - 20%	✓	
79-20-9	methyl acetate	10 - 20%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
71-36-3	n-butanol	5 - 10%	✓	
141-78-6	ethyl acetate	3 - 5%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	3 - 5%	✓	
25068-38-6	epoxy resin (number average molecular weight 700 <= 1200)	1 - 3%	✓	
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	1 - 3%		
78-93-3	butanone	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
13463-67-7	Titanium dioxide	1 - 3%		
1330-20-7	xylene	1 - 3%	✓	
7779-90-0	trizinc bis(orthophosphate)	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
67-63-0	propan-2-ol	0.3 - 1.0%	✓	
51274-00-1	Light yellow lemon yellow oxide pigment	0.3 - 1.0%		
21645-51-2	aluminium hydroxide	0.1 - 0.3%		
7664-38-2	phosphoric acid	0.1 - 0.3%	✓	

Non-regulated ingredients 1 - 5%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
acetone	TWA	500 ppm
	STEL	1,000 ppm
	STEL	2,375 mg/m ³
	TWA	1,185 mg/m ³
propane	TWA	1,000 ppm
	TWA	1,800 mg/m ³
methyl acetate	TWA	200 ppm
	STEL	250 ppm
	STEL	757 mg/m ³
	TWA	606 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
n-butanol	CEIL	150 mg/m ³

Chemical Name		
	CEIL	50 ppm
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m ³
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	TWA	2 mg/m ³
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m ³
	TWA	445 mg/m ³
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m ³
	TWA	205 mg/m ³
Titanium dioxide	TWA	10 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
trizinc bis(orthophosphate)	TWA	10 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
propan-2-ol	TWA	400 ppm
	STEL	500 ppm
	STEL	1,230 mg/m ³
	TWA	983 mg/m ³
Light yellow lemon yellow oxide pigment	TWA	1 mg/m ³
aluminium hydroxide	TWA	2 mg/m ³
phosphoric acid	TWA	1 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
n-butanol	Viton (R) ®	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) ®	0.7 mm	480 min
butanone	Viton (R) ®	0.7 mm	10 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : aerosol Colour: green Odor Threshold : no data available

pH	No data available.
Freezing point	Not applicable.
Boiling point	56 °C
Flash point	-11 °C
Evapouration rate	Slower than Ether
Flammability	
Upper explosion limit	16 %
Lower explosion limit	1.4 %
Vapour pressure	240.9 hPa
Solubility(ies)	appreciable
Vapour density	no data available

Density	0.82 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

Not classified according to GHS criteria

Serious eye damage/eye irritation

acetone	Category 2A
methyl acetate	Category 1
n-butanol	Category 1
ethyl acetate	Category 2A
2-methoxy-1-methylethyl acetate	Category 2A
epoxy resin (number average molecular weight 700 <= 1200)	Category 2A
butanone	Category 2A
4-methylpentan-2-one	Category 2A
xylene	Category 2A
ethylbenzene	Category 2B
propan-2-ol	Category 2A
phosphoric acid	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

epoxy resin (number average molecular weight 700 <= 1200) Category 1

Germ cell mutagenicity

propane Category 1B

Carcinogenicity

propane Category 1A

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be a skin sensitiser and an irritant. Low molecular epoxy constituents are irritating to eyes, mucous membranes and skin. Repeated skin contact may lead to irritation and to sensitization, possibly with cross-sensitization to other epoxies. Avoid skin and eye contact. Avoid inhalation of vapour or mist.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
epoxy resin (number average molecular weight 700 <= 1200)	Category 1
Titanium dioxide	Category 3
xylene	Category 3
trizinc bis(orthophosphate)	Category 1
ethylbenzene	Category 2
aluminium hydroxide	Category 1
phosphoric acid	Category 3

Chronic aquatic toxicity

epoxy resin (number average molecular weight 700 <= 1200)	Category 2
trizinc bis(orthophosphate)	Category 1
aluminium hydroxide	Category 1

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations**14. Transport information****NZS5433**

Proper shipping name: AEROSOLS

UN number: 1950

Hazard Class: 2.1

Packing group:

Hazchem Code:

IMDG (Sea transport)

Proper shipping name: AEROSOLS

UN number: 1950

Hazard Class: 2.1

Subsidiary Hazard Class: Not applicable.

Packing group:

Marine Pollutant: no

EmS: F-D,S-U

**ICAO/IATA (Air transport)**

Proper shipping name: AEROSOLS, flammable
UN number: 1950
Hazard Class: 2.1
Subsidiary Hazard Class: Not applicable.
Packing group:

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002520
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Germ cell mutagenicity	Category 6.6A
Carcinogenicity	Category 6.7A
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	3, 8

Revision Date: 2015-01-29
180-38462

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AB150 Basecoat Binder LM
Product code	AB150
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. IF exposed or concerned: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention.

Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
123-86-4	n-butyl acetate	30 - 40%	✓	
1330-20-7	xylene	20 - 30%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	5 - 10%	✓	
624-41-9	2-methylbutyl acetate	1 - 3%	✓	
78-83-1	iso-butanol	1 - 3%	✓	
628-63-7	pentyl acetate	1 - 3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 10 - 20%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
iso-butanol	TWA	50 ppm
	TWA	152 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: milky Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	30 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	9.3 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.91 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	> 100 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

The product contains ingredients which, under certain conditions, also may release formaldehyde. If necessary, the precise concentration has to be determined. When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
toluene	Category 5

% of unknown composition 1.3 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
ethylbenzene	Category 3
2-methylbutyl acetate	Category 3
iso-butanol	Category 2
pentyl acetate	Category 3
toluene	Category 2

Serious eye damage/eye irritation

xylene	Category 2A
ethylbenzene	Category 2B
2-methoxy-1-methylethyl acetate	Category 2A
iso-butanol	Category 1
pentyl acetate	Category 2A
toluene	Category 2B

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
xylene	Category 3
ethylbenzene	Category 2
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 2.7%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9



Version	Changes
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Revision Date:	2015-01-13
	B11934799

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AB160 Basecoat Binder HM
Product code	AB160
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. IF exposed or concerned: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention.

Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
123-86-4	n-butyl acetate	30 - 40%	✓	
1330-20-7	xylene	20 - 30%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	5 - 10%	✓	
624-41-9	2-methylbutyl acetate	1 - 3%	✓	
78-83-1	iso-butanol	1 - 3%	✓	
628-63-7	pentyl acetate	1 - 3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
iso-butanol	TWA	50 ppm
	TWA	152 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: milky Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	30 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	8.8 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.92 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	93 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

The product contains ingredients which, under certain conditions, also may release formaldehyde. If necessary, the precise concentration has to be determined. When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
toluene	Category 5

% of unknown composition 1.3 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
ethylbenzene	Category 3
2-methylbutyl acetate	Category 3
iso-butanol	Category 2
pentyl acetate	Category 3
toluene	Category 2

Serious eye damage/eye irritation

xylene	Category 2A
ethylbenzene	Category 2B
2-methoxy-1-methylethyl acetate	Category 2A
iso-butanol	Category 1
pentyl acetate	Category 2A
toluene	Category 2B

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
xylene	Category 3
ethylbenzene	Category 2
toluene	Category 2

% of unknown composition 3.3%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
 B11934809



The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AB380 Centari® 600 Basecoat Thinner
Product code	AB380
Intended use of the substance/preparation	Thinner for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3A
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Causes skin irritation. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Hazardous
123-86-4	n-butyl acetate	40 - 50%	✓	
110-19-0	isobutyl acetate	30 - 40%	✓	
1330-20-7	xylene	5 - 10%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	3 - 5%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
98516-30-4	ethoxypropyl acetate	1 - 3%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
78-83-1	iso-butanol	0.1 - 0.3%	✓	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Chemical Name

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name

n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
isobutyl acetate	TWA	713 mg/m ³
	TWA	150 ppm
xylene	TWA	713 mg/m ³
	TWA	50 ppm
1,2,4-trimethylbenzene	TWA	217 mg/m ³
	TWA	25 ppm
ethylbenzene	TWA	123 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
mesitylene	TWA	434 mg/m ³
	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
cumene	TWA	123 mg/m ³
	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
iso-butanol	TWA	125 mg/m ³
	TWA	50 ppm
	TWA	152 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: red Odour: Characteristic Solvent Odor Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	117 °C
Flash point	25 °C DIN 53213/ISO 1523
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	10.5 %
Lower explosion limit	0.9 %
Vapour pressure	14.3 hPa
Solubility(ies)	moderate
Vapour density	no data available
Density	0.88 g/cm ³ DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available
Ignition temperature	325 °C DIN 51794
Decomposition temperature	
Viscosity (23 °C)	<20 s ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
isobutyl acetate	Category 2
xylene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
mesitylene	Category 3
iso-butanol	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbition, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
isobutyl acetate	Category 3
xylene	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2

% of unknown composition 3%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Packing group: III
Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

**National regulatory information**

HSNO Approval Code HSR002662
HSNO Classification
Skin corrosion/irritation Category 6.3A
Flammable liquids Category 3.1C
Acute aquatic toxicity Category 9.1C
Chronic aquatic toxicity Category 9.1C

16. Other information

Revision Note

Version	Changes
1.1	3

Revision Date: 2014-12-05
B11934930

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AB385 Centari® 600 Basecoat Ht Thinner
Product code	AB385
Intended use of the substance/preparation	Thinner for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. IF exposed or concerned: Get medical advice/ attention. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	30 - 40%	✓	
110-19-0	isobutyl acetate	20 - 30%	✓	
1330-20-7	xylene	20 - 30%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	5 - 10%	✓	
78-83-1	iso-butanol	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 1 - 5%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³

Chemical Name		
	TWA	713 mg/m ³
isobutyl acetate	TWA	150 ppm
	TWA	713 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
iso-butanol	TWA	50 ppm
	TWA	152 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odour: Characteristic Solvent Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	117 °C	
Flash point	30 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.5 %	
Lower explosion limit	1 %	
Vapour pressure	12.9 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.88 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity**Stability**

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
isobutyl acetate	Category 2
xylene	Category 2
ethylbenzene	Category 3
iso-butanol	Category 2
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
isobutyl acetate	Category 3
xylene	Category 3
ethylbenzene	Category 2
toluene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Packing group: III
Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662
HSNO Classification
Acute inhalation toxicity Category 6.1E
Skin corrosion/irritation Category 6.3A
Toxicity for reproduction Category 6.8B
Flammable liquids Category 3.1C
Acute aquatic toxicity Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
	B11934904

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AB-46700 Centari® 600 BC - Enamel Mix Clear
Product code	AB-46700
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
 IF exposed or concerned: Get medical advice/ attention.
 If eye irritation persists: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
123-86-4	n-butyl acetate	30 - 40%	✓	
1330-20-7	xylene	20 - 30%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	3 - 5%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
78-83-1	iso-butanol	1 - 3%	✓	
628-63-7	pentyl acetate	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
112926-00-8	Amorphous silica - precipitated	0.3 - 1.0%		
108-67-8	mesitylene	0.1 - 0.3%	✓	
688-84-6	2-ethylhexyl methacrylate	0.1 - 0.3%	✓	
1309-37-1	Iron oxide	0.1 - 0.3%	✓	
1332-58-7	Kaolin	0.1 - 0.3%		
108-88-3	toluene	0.1 - 0.3%	✓	
112-02-7	1-Hexadecanaminium, N,N,N-trimethyl-, chloride (1:1)	0.0 - 0.1%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
iso-butanol	TWA	434 mg/m ³
	TWA	50 ppm
pentyl acetate	TWA	152 mg/m ³
	TWA	100 ppm
1,2,4-trimethylbenzene	TWA	532 mg/m ³
	TWA	25 ppm
Amorphous silica - precipitated	TWA	123 mg/m ³
	TWA	10 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
Iron oxide	TWA	5 mg/m ³
Kaolin	TWA	2 mg/m ³

 Chemical Name

toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: diverse Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	24 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	8.1 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.95 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	33 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

The product contains ingredients which, under certain conditions, also may release formaldehyde. If necessary, the precise concentration has to be determined. When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
1,2,4-trimethylbenzene	Category 4
toluene	Category 5
1-Hexadecanaminium, N,N,N-trimethyl-, chloride (1:1)	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
ethylbenzene	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
iso-butanol	Category 2
pentyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 3
2-ethylhexyl methacrylate	Category 3
Iron oxide	Category 2
toluene	Category 2
1-Hexadecanaminium, N,N,N-trimethyl-, chloride (1:1)	Category 1C

Serious eye damage/eye irritation

xylene	Category 2A
ethylbenzene	Category 2B
2-methoxy-1-methylethyl acetate	Category 2A
iso-butanol	Category 1
pentyl acetate	Category 2A
1,2,4-trimethylbenzene	Category 2A
mesitylene	Category 2A
2-ethylhexyl methacrylate	Category 2B
Iron oxide	Category 1
toluene	Category 2B
1-Hexadecanaminium, N,N,N-trimethyl-, chloride (1:1)	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

2-ethylhexyl methacrylate Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
xylene	Category 3
ethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
2-ethylhexyl methacrylate	Category 2
Iron oxide	Category 3
toluene	Category 2
1-Hexadecanaminium, N,N,N-trimethyl-, chloride (1:1)	Category 1

% of unknown composition 2%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B12251803

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.



End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	Centari® 400 1K Binder
Product code	AD144
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Suspected of damaging fertility or the unborn child. Highly flammable liquid and vapour. Harmful to aquatic life. May cause damage to organs through prolonged or repeated exposure. May cause an allergic skin reaction. Causes skin irritation. Causes serious eye irritation.</p>
Precautionary statements	<p>Obtain special instructions before use. IF exposed or concerned: Get medical advice/ attention. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed.</p>

Store in a well-ventilated place. Keep cool.
Avoid release to the environment.
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
Wear protective gloves/protective clothing/eye protection/face protection.
If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
If eye irritation persists: Get medical advice/ attention.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	40 - 50%	✓	
141-78-6	ethyl acetate	5 - 10%	✓	
108-88-3	toluene	5 - 10%	✓	
1330-20-7	xylene	5 - 10%	✓	
67-63-0	propan-2-ol	3 - 5%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
80-62-6	methyl methacrylate	0.1 - 0.3%	✓	
97-88-1	n-butyl methacrylate	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
	TWA	400 ppm
	STEL	500 ppm
propan-2-ol	STEL	1,230 mg/m ³
	TWA	983 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
ethylbenzene	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	50 ppm
methyl methacrylate	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
	TWA	50 ppm

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) [®]	0.7 mm	480 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: milky Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	77 °C	
Flash point	22 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	11 %	
Lower explosion limit	1 %	
Vapour pressure	16.3 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.95 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	399 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	60 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
ethyl acetate	Category 3
toluene	Category 2
xylene	Category 2
propan-2-ol	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2

Serious eye damage/eye irritation

ethyl acetate	Category 2A
toluene	Category 2B
xylene	Category 2A
propan-2-ol	Category 2A
ethylbenzene	Category 2B
n-butyl methacrylate	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene	Category 2
methyl methacrylate	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

- **Skin Absorption**

Spleen n-butyl methacrylate

Body weight effects ethyl acetate

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
toluene	Category 2
xylene	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Packing group: II
Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II

**Matters needing attention for transportation**

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
B11934851	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AD345 Centari® 400 1K Thinner
Product code	AD345
Intended use of the substance/preparation	Thinner for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Aspiration toxicity	Category 6.1E
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Highly flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways. Harmful to aquatic life.</p>
Precautionary statements	<p>Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed.</p>

Obtain special instructions before use.
Wear protective gloves/protective clothing/eye protection/face protection.
Do NOT induce vomiting.
IF exposed or concerned: Get medical advice/ attention.
If eye irritation persists: Get medical advice/ attention.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
108-88-3	toluene	30 - 40%	✓	
67-64-1	acetone	20 - 30%	✓	
67-63-0	propan-2-ol	10 - 20%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	5 - 10%	✓	
1330-20-7	xylene	5 - 10%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	

Non-regulated ingredients 1 - 5%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits Workplace Exposure Standards (WESs) 2002

Chemical Name		
toluene	TWA	50 ppm
	TWA	188 mg/m ³
acetone	TWA	500 ppm
	STEL	1,000 ppm
	STEL	2,375 mg/m ³
	TWA	1,185 mg/m ³
propan-2-ol	TWA	400 ppm
	STEL	500 ppm
	STEL	1,230 mg/m ³
	TWA	983 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Solvent Odor Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	83 °C	
Flash point	-7 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	12.8 %	
Lower explosion limit	1 %	
Vapour pressure	83.0 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.85 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

toluene	Category 2
acetone	Category 3
propan-2-ol	Category 3
n-butyl acetate	Category 3
xylene	Category 2
ethylbenzene	Category 3

Serious eye damage/eye irritation

toluene	Category 2B
acetone	Category 2A
propan-2-ol	Category 2A
2-methoxy-1-methylethyl acetate	Category 2A
xylene	Category 2A
ethylbenzene	Category 2B

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

No data available.

Aspiration toxicity

toluene	Category 1
xylene	Category 2
ethylbenzene	Category 2

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

toluene	Category 2
n-butyl acetate	Category 3
xylene	Category 3
ethylbenzene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Aspiration toxicity	Category 6.1E
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C



16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B11934018

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AK100 Centari® 500 2K Binder
Product code	AK100
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate; methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	5 - 10%	✓	
95-63-6	1,2,4-trimethylbenzene	3 - 5%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
No information available.	pentyl acetate mixture of isomers	3 - 5%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	0.3 - 1.0%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
mesitylene	TWA	434 mg/m ³
	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
cumene	TWA	123 mg/m ³
	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	34 °C	DIN 53213/ISO 1523
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	4.8 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.99 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		

Viscosity (23 °C)

| 21 s

ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
pentyl acetate mixture of isomers	Category 3
mesitylene	Category 3

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
xylene	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2
mesitylene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
cumene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
cumene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

% of unknown composition 4%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

**Matters needing attention for transportation**

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11934581

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AK260 2K HS Activator
Product code	AK260
Intended use of the substance/preparation	Hardener for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3A
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid breathing dust/ vapours/ spray. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection.

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
If skin irritation or rash occurs: Get medical advice/ attention.
If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains isocyanates. See information supplied by the manufacturer.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
28182-81-2	Hexamethylene diisocyanate, oligomers	50 - 60%	✓	
123-86-4	n-butyl acetate	20 - 30%	✓	
1330-20-7	xylene	10 - 20%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
141-78-6	ethyl acetate	1 - 3%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory

sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. Skin contact may cause skin sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts), concentrated (d : 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts), water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in non-sealed container. Once this stage is reached, close container and dispose according to local regulations (see section 13).

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
Hexamethylene diisocyanate, oligomers	STEL	0.07 mg/m ³
	TWA	0.02 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
xylene	TWA	713 mg/m ³
	TWA	50 ppm
1,2,4-trimethylbenzene	TWA	217 mg/m ³
	TWA	25 ppm
ethyl acetate	TWA	123 mg/m ³
	TWA	200 ppm
ethylbenzene	TWA	720 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
mesitylene	TWA	434 mg/m ³
	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³

Engineering measures

Provide adequate ventilation. Air-fed protective respiratory equipment must be worn by spray operator even when good ventilation is provided.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

For spraying: air-fed respirator. For operations other than spraying: in well ventilated areas, air-fed respirators could be replaced by a combination of charcoal filter and particulate filter mask.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	104 °C
Flash point	27 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	7.6 %
Lower explosion limit	1 %
Vapour pressure	6.8 hPa
Solubility(ies)	partly miscible

Vapour density	no data available	
Density	1.02 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	25 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents and strongly acid or alkaline materials. Amines and alcohols cause exothermic reactions. Mixture reacts slowly with water resulting in evolution of CO₂. Evolution of CO₂ in closed containers causes overpressure and produces a risk of bursting.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen as well as hydrogen cyanide, amines, alcohols and water.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
ethyl acetate	Category 3
ethylbenzene	Category 3
mesitylene	Category 3

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Hexamethylene diisocyanate, oligomers Category 1

Skin sensitisation

Hexamethylene diisocyanate, oligomers Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Based on the properties of the isocyanate components and considering toxicological data on similar products, the following applies: This formulation may cause acute irritation and/or sensitization of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Components of the product may be absorbed into the body through the skin.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
ethylbenzene	Category 2
mesitylene	Category 2

Chronic aquatic toxicity

1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL



UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662
HSNO Classification
Skin corrosion/irritation Category 6.3A
Respiratory sensitisation Category 6.5A
Skin sensitisation Category 6.5B
Flammable liquids Category 3.1C
Acute aquatic toxicity Category 9.1C
Chronic aquatic toxicity Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
B11971715	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AK261 HS Activator (Slow)
Product code	AK261
Intended use of the substance/preparation	
Hardener for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute oral toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Flammable liquid and vapour. May be harmful if swallowed. May be harmful if inhaled. Causes mild skin irritation. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Precautionary statements	<p>Avoid release to the environment.</p> <p>In case of inadequate ventilation wear respiratory protection.</p> <p>Keep away from heat/sparks/open flames/hot surfaces. - No smoking.</p> <p>Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>Avoid breathing dust/ vapours/ spray.</p> <p>If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.</p> <p>If eye irritation persists: Get medical advice/ attention.</p> <p>IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>If skin irritation or rash occurs: Get medical advice/ attention.</p> <p>Wash contaminated clothing before reuse.</p> <p>Store in a well-ventilated place. Keep cool.</p>
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Other hazards which do not result in classification

Contains isocyanates. See information supplied by the manufacturer.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
28182-81-2	Hexamethylene diisocyanate, oligomers	50 - 60%	✓	
110-12-3	5-methylhexan-2-one	10 - 20%	✓	
112-07-2	2-butoxyethyl acetate	5 - 10%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	5 - 10%	✓	
98516-30-4	ethoxypropyl acetate	5 - 10%	✓	
95-63-6	1,2,4-trimethylbenzene	3 - 5%	✓	
123-86-4	n-butyl acetate	3 - 5%	✓	
108-67-8	mesitylene	1 - 3%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
1330-20-7	xylene	0.1 - 0.3%	✓	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. Skin contact may cause skin sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Avoid heating above flash point. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts), concentrated (d : 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts), water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in non-sealed container. Once this stage is reached, close container and dispose according to local regulations (see section 13).

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
Hexamethylene diisocyanate, oligomers	STEL	0.07 mg/m ³
	TWA	0.02 mg/m ³
5-methylhexan-2-one	TWA	50 ppm
	TWA	234 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
mesitylene	TWA	713 mg/m ³
	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
cumene	TWA	123 mg/m ³
	TWA	123 mg/m ³
	TWA	25 ppm
	STEL	75 ppm
xylene	STEL	375 mg/m ³
	TWA	125 mg/m ³
	TWA	50 ppm

Chemical Name

TWA 217 mg/m3

Engineering measures

Provide adequate ventilation. Air-fed protective respiratory equipment must be worn by spray operator even when good ventilation is provided.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

For spraying: air-fed respirator. For operations other than spraying: in well ventilated areas, air-fed respirators could be replaced by a combination of charcoal filter and particulate filter mask.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
2-butoxyethyl acetate	Viton (R) [®]	0.7 mm	480 m
	Nitrile rubber	0.33 mm	480 m
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	104 °C	
Flash point	51 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	9.8 %	
Lower explosion limit	0.9 %	
Vapour pressure	2.1 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.02 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	325 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents and strongly acid or alkaline materials. Amines and alcohols cause exothermic reactions. Mixture reacts slowly with water resulting in evolution of CO₂. Evolution of CO₂ in closed containers causes overpressure and produces a risk of bursting.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen as well as hydrogen cyanide, amines, alcohols and water.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

5-methylhexan-2-one	Category 5
2-butoxyethyl acetate	Category 4
1,2,4-trimethylbenzene	Category 5
cumene	Category 5
xylene	Category 5

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

Hexamethylene diisocyanate, oligomers	Category 4
5-methylhexan-2-one	Category 4
2-butoxyethyl acetate	Category 4
1,2,4-trimethylbenzene	Category 4
xylene	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

5-methylhexan-2-one	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
n-butyl acetate	Category 3
mesitylene	Category 3
xylene	Category 2

Serious eye damage/eye irritation

5-methylhexan-2-one	Category 2A
1,2,4-trimethylbenzene	Category 2A
mesitylene	Category 2A
xylene	Category 2A

Respiratory sensitisation

Hexamethylene diisocyanate, oligomers	Category 1
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Skin sensitisation

Hexamethylene diisocyanate, oligomers	Category 1
---------------------------------------	------------

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Based on the properties of the isocyanate components and considering toxicological data on similar products, the following applies: This formulation may cause acute irritation and/or sensitization of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbition, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Components of the product may be absorbed into the body through the skin.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

2-butoxyethyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
n-butyl acetate	Category 3
mesitylene	Category 2
cumene	Category 2
xylene	Category 3

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2

% of unknown composition 6.6%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Acute oral toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.2	9



Version	Changes
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Revision Date:	2015-01-29
	B12155842

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AK321 Centari® 500 2K Thinner Fast Cure
Product code	AK321
Intended use of the substance/preparation	Thinner for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Aspiration toxicity	Category 6.1E
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling



Hazard symbols

Signal word

Danger

Hazard statements

Highly flammable liquid and vapour.
Causes skin irritation.
Causes serious eye irritation.
Suspected of damaging fertility or the unborn child.
May cause damage to organs through prolonged or repeated exposure.
May be fatal if swallowed and enters airways.
Harmful to aquatic life.
Harmful to aquatic life with long lasting effects.

Precautionary statements

Avoid release to the environment.
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Keep container tightly closed.
 Obtain special instructions before use.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Do NOT induce vomiting.
 IF exposed or concerned: Get medical advice/ attention.
 If eye irritation persists: Get medical advice/ attention.
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
108-88-3	toluene	30 - 40%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	5 - 10%	✓	
95-63-6	1,2,4-trimethylbenzene	3 - 5%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
107-98-2	1-methoxy-2-propanol	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	

Non-regulated ingredients 5 - 10%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection**National occupational exposure limits****Workplace Exposure Standards (WESs) 2002**

Chemical Name		
toluene	TWA	50 ppm
n-butyl acetate	TWA	188 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
xylene	TWA	713 mg/m ³
	TWA	50 ppm
1,2,4-trimethylbenzene	TWA	217 mg/m ³
	TWA	25 ppm
ethylbenzene	TWA	123 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
1-methoxy-2-propanol	TWA	434 mg/m ³
	TWA	100 ppm
	STEL	150 ppm
mesitylene	STEL	553 mg/m ³
	TWA	369 mg/m ³
	TWA	25 ppm
	TWA	25 ppm
cumene	TWA	123 mg/m ³
	TWA	123 mg/m ³
	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	No data available.
Freezing point	Not applicable.
Boiling point	108 °C
Flash point	20 °C DIN 53213/ISO 1523
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	12.7 %
Lower explosion limit	0.9 %
Vapour pressure	14.7 hPa

Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.9 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	270 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

toluene	Category 2
n-butyl acetate	Category 3
xylene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
1-methoxy-2-propanol	Category 3
mesitylene	Category 3

Serious eye damage/eye irritation

toluene	Category 2B
2-methoxy-1-methylethyl acetate	Category 2A
xylene	Category 2A
1,2,4-trimethylbenzene	Category 2A
ethylbenzene	Category 2B
1-methoxy-2-propanol	Category 2B
mesitylene	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

- **Skin Absorption**

Central nervous system 1-methoxy-2-propanol, 1,2,4-trimethylbenzene

- **Inhalation**

Respiratory system 1-methoxy-2-propanol

Aspiration toxicity

toluene	Category 1
xylene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 1
1,2,4-trimethylbenzene	Category 1
ethylbenzene	Category 2
mesitylene	Category 1
cumene	Category 1

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

toluene	Category 2
n-butyl acetate	Category 3
xylene	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Aspiration toxicity	Category 6.1E
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B11934961

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or



in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AK350 Fade - Out Thinner
Product code	AK350
Intended use of the substance/preparation	
Thinner for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Aspiration toxicity	Category 6.1E
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Highly flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways. Harmful to aquatic life.</p>
Precautionary statements	<p>Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed.</p>

Obtain special instructions before use.
Wear protective gloves/protective clothing/eye protection/face protection.
Do NOT induce vomiting.
IF exposed or concerned: Get medical advice/ attention.
If eye irritation persists: Get medical advice/ attention.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
108-65-6	2-methoxy-1-methylethyl acetate	20 - 30%	✓	
108-88-3	toluene	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
141-78-6	ethyl acetate	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	

Non-regulated ingredients 10 - 20%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits Workplace Exposure Standards (WESs) 2002

Chemical Name		
toluene	TWA	50 ppm
n-butyl acetate	TWA	188 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethyl acetate	TWA	713 mg/m ³
	TWA	200 ppm
xylene	TWA	720 mg/m ³
	TWA	50 ppm
ethylbenzene	TWA	217 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
1,2,4-trimethylbenzene	TWA	434 mg/m ³
	TWA	25 ppm
	TWA	123 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Solvent Odor Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	77 °C	
Flash point	7 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	11 %	
Lower explosion limit	1 %	
Vapour pressure	25.9 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.91 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	< 20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

toluene	Category 2
n-butyl acetate	Category 3
ethyl acetate	Category 3
xylene	Category 2
ethylbenzene	Category 3
1,2,4-trimethylbenzene	Category 2

Serious eye damage/eye irritation

2-methoxy-1-methylethyl acetate	Category 2A
toluene	Category 2B
ethyl acetate	Category 2A
xylene	Category 2A
ethylbenzene	Category 2B
1,2,4-trimethylbenzene	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

- **Skin Absorption**

Body weight effects ethyl acetate**Central nervous system** 1,2,4-trimethylbenzene**Aspiration toxicity**

toluene	Category 1
xylene	Category 2
ethylbenzene	Category 2
1,2,4-trimethylbenzene	Category 1

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

toluene	Category 2
n-butyl acetate	Category 3
xylene	Category 3
ethylbenzene	Category 2
1,2,4-trimethylbenzene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Aspiration toxicity	Category 6.1E
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C



16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B12725677

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AK350A Fade Out Thinner Aerosol (440ml)
Product code	AK350A
Intended use of the substance/preparation	Thinner for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Acute inhalation toxicity	Category 6.1E
Serious eye damage/eye irritation	Category 6.4A
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Aspiration toxicity	Category 6.1E

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Harmful in contact with skin. May be harmful if swallowed and enters airways. Harmful to aquatic life. Causes damage to organs. May cause damage to organs through prolonged or repeated exposure. Causes serious eye damage. May be harmful if swallowed or if inhaled.</p>
Precautionary statements	<p>Wear protective gloves/ protective clothing. IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Do NOT induce vomiting. Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p>

Wear eye protection/ face protection.

Other hazards which do not result in classification

Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
115-10-6	dimethyl ether	50 - 60%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
108-94-1	cyclohexanone	5 - 10%	✓	
141-78-6	ethyl acetate	5 - 10%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	5 - 10%	✓	
1330-20-7	xylene	3 - 5%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
628-63-7	pentyl acetate	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.1 - 0.3%	✓	

Non-regulated ingredients 5 - 10%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
dimethyl ether	TWA	400 ppm
	STEL	500 ppm
	STEL	958 mg/m ³
	TWA	766 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
cyclohexanone	TWA	25 ppm
	TWA	100 mg/m ³
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) [®]	0.7 mm	480 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : aerosol Colour: clear Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	Not applicable.	
Flash point	-1 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	18.6 %	
Lower explosion limit	3 %	
Vapour pressure	3,400.0 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.76 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	235 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

cyclohexanone	Category 4
xylene	Category 4
ethylbenzene	Category 4
1,2,4-trimethylbenzene	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

Not classified according to GHS criteria

Serious eye damage/eye irritation

cyclohexanone	Category 1
ethyl acetate	Category 2A
2-methoxy-1-methylethyl acetate	Category 2A
xylene	Category 2A
ethylbenzene	Category 2B
pentyl acetate	Category 2A
1,2,4-trimethylbenzene	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure• **Inhalation****Respiratory system** 2-methoxy-1-methylethyl acetate, 1,2,4-trimethylbenzene**Central nervous system** cyclohexanone, 1,2,4-trimethylbenzene**reproductive organs** ethyl acetate**Target Organ Systemic Toxicant - Repeated exposure**• **Skin Absorption****Body weight effects** ethyl acetate**Kidney** cyclohexanone**Liver** cyclohexanone**Central nervous system** 1,2,4-trimethylbenzene• **Inhalation****Lungs** cyclohexanone**Aspiration toxicity**

xylene	Category 2
ethylbenzene	Category 2
1,2,4-trimethylbenzene	Category 1

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations**14. Transport information****NZS5433**

Proper shipping name: AEROSOLS

UN number: 1950

Hazard Class: 2.1

Packing group:

Hazchem Code:

IMDG (Sea transport)

Proper shipping name: AEROSOLS

UN number: 1950

Hazard Class: 2.1

Subsidiary Hazard Class: Not applicable.

Packing group:

Marine Pollutant: no

EmS: F-D,S-U

ICAO/IATA (Air transport)

Proper shipping name: AEROSOLS, flammable

UN number: 1950

Hazard Class: 2.1

Subsidiary Hazard Class: Not applicable.

Packing group:

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002520
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Serious eye damage/eye irritation	Category 6.4A
Target Organ Systemic Toxicant - Single exposure	Category 6.9B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Aspiration toxicity	Category 6.1E



16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B12819358

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AK360 HS Thinner
Product code	AK360
Intended use of the substance/preparation	
Thinner for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8A
Aspiration toxicity	Category 6.1E
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling



Hazard symbols

Signal word

Danger

Hazard statements

Flammable liquid and vapour.
May be harmful if inhaled.
Causes skin irritation.
Causes serious eye irritation.
May damage fertility or the unborn child.
May be fatal if swallowed and enters airways.
Harmful to aquatic life.
Harmful to aquatic life with long lasting effects.

Precautionary statements

Avoid release to the environment.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Obtain special instructions before use.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Do NOT induce vomiting.
 IF exposed or concerned: Get medical advice/ attention.
 If eye irritation persists: Get medical advice/ attention.
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
108-65-6	2-methoxy-1-methylethyl acetate	30 - 40%	✓	
123-86-4	n-butyl acetate	20 - 30%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
95-63-6	1,2,4-trimethylbenzene	5 - 10%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
108-67-8	mesitylene	1 - 3%	✓	
98-82-8	cumene	0.3 - 1.0%	✓	
70657-70-4	2-methoxypropyl-1-acetate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection**National occupational exposure limits****Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
xylene	TWA	713 mg/m ³
	TWA	50 ppm
1,2,4-trimethylbenzene	TWA	217 mg/m ³
	TWA	25 ppm
ethylbenzene	TWA	123 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
mesitylene	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	25 ppm
	TWA	25 ppm
cumene	TWA	123 mg/m ³
	TWA	123 mg/m ³
	TWA	25 ppm
	STEL	75 ppm
toluene	STEL	375 mg/m ³
	TWA	125 mg/m ³
	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
	Nitrile rubber	0.33 mm	30 min
xylene	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	31 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	7.5 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.9 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		

Viscosity (23 °C)

| <20 s

ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
1,2,4-trimethylbenzene	Category 4
ethylbenzene	Category 4
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
xylene	Category 2

1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
mesitylene	Category 3
toluene	Category 2

Serious eye damage/eye irritation

2-methoxy-1-methylethyl acetate	Category 2A
xylene	Category 2A
1,2,4-trimethylbenzene	Category 2A
ethylbenzene	Category 2B
mesitylene	Category 2A
toluene	Category 2B

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

2-methoxypropyl-1-acetate	Category 1B
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 1
xylene	Category 2
1,2,4-trimethylbenzene	Category 1
ethylbenzene	Category 2
mesitylene	Category 1
cumene	Category 1
toluene	Category 1

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2
toluene	Category 2

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3

Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8A
Aspiration toxicity	Category 6.1E
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11934979

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AK361 Centari® HS Thinner Slow
Product code	AK361
Intended use of the substance/preparation	Thinner for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute oral toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if swallowed. May be harmful if inhaled. Causes mild skin irritation. Causes serious eye irritation.
Precautionary statements	Wear eye protection/ face protection. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Call a POISON CENTER or doctor/ physician if you feel unwell. If eye irritation persists: Get medical advice/ attention. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
108-83-8	2,6-dimethylheptan-4-one	30 - 40%	✓	
112-07-2	2-butoxyethyl acetate	20 - 30%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	20 - 30%	✓	
1330-20-7	xylene	3 - 5%	✓	
123-86-4	n-butyl acetate	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
111-76-2	2-butoxyethanol	0.1 - 0.3%	✓	

Non-regulated ingredients 5 - 10%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Avoid heating above flash point. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
2,6-dimethylheptan-4-one	TWA	25 ppm
	TWA	145 mg/m ³
xylene	TWA	50 ppm

Chemical Name		
	TWA	217 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
2-butoxyethanol	TWA	25 ppm
	TWA	121 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
2-butoxyethyl acetate	Viton (R)®	0.7 mm	480 m
	Nitrile rubber	0.33 mm	480 m
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R)®	0.7 mm	480 min
n-butyl acetate	Viton (R)®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
2-butoxyethanol	Viton (R)®	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to

use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	140 °C	
Flash point	46 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	7.1 %	
Lower explosion limit	0.8 %	
Vapour pressure	2.4 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.89 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

2,6-dimethylheptan-4-one	Category 4
2-butoxyethyl acetate	Category 4
xylene	Category 5
ethylbenzene	Category 5
2-butoxyethanol	Category 4

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

2-butoxyethyl acetate	Category 4
xylene	Category 4
ethylbenzene	Category 4
2-butoxyethanol	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

2,6-dimethylheptan-4-one	Category 3
xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
2-butoxyethanol	Category 2

Serious eye damage/eye irritation

2,6-dimethylheptan-4-one	Category 2A
2-methoxy-1-methylethyl acetate	Category 2A
xylene	Category 2A
ethylbenzene	Category 2B
2-butoxyethanol	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute oral toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Flammable liquids	Category 3.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
	B11935002

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.



End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AL145 Lucite® 400 1K Binder
Product code	AL145
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Highly flammable liquid and vapour. Causes mild skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life.</p>
Precautionary statements	<p>Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed.</p>

Obtain special instructions before use.
 Wear protective gloves/protective clothing/eye protection/face protection.
 IF exposed or concerned: Get medical advice/ attention.
 If eye irritation persists: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate; methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
123-86-4	n-butyl acetate	50 - 60%	✓	
141-78-6	ethyl acetate	5 - 10%	✓	
67-63-0	propan-2-ol	5 - 10%	✓	
108-88-3	toluene	5 - 10%	✓	
1330-20-7	xylene	1 - 3%	✓	
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m ³
propan-2-ol	TWA	400 ppm
	STEL	500 ppm
	STEL	1,230 mg/m ³
	TWA	983 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) [®]	0.7 mm	480 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	77 °C	
Flash point	22 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	12 %	
Lower explosion limit	1.1 %	
Vapour pressure	19.9 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.94 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	399 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	60 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
ethyl acetate	Category 3
propan-2-ol	Category 3
toluene	Category 2
xylene	Category 2
ethylbenzene	Category 3

Serious eye damage/eye irritation

ethyl acetate	Category 2A
propan-2-ol	Category 2A
toluene	Category 2B
xylene	Category 2A
ethylbenzene	Category 2B

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene	Category 2
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Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

- **Skin Absorption**

Body weight effects ethyl acetate

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
toluene	Category 2
xylene	Category 3
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
ethylbenzene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B11934060

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AL146 Lucite 1K Binder
Product code	AL146
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Suspected of damaging fertility or the unborn child. Highly flammable liquid and vapour. Harmful to aquatic life. May cause damage to organs through prolonged or repeated exposure. May cause an allergic skin reaction. Causes skin irritation. Causes serious eye irritation.</p>
Precautionary statements	<p>Obtain special instructions before use. IF exposed or concerned: Get medical advice/ attention. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed.</p>

Store in a well-ventilated place. Keep cool.
 Avoid release to the environment.
 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
 Wear protective gloves/protective clothing/eye protection/face protection.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 If eye irritation persists: Get medical advice/ attention.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	40 - 50%	✓	
141-78-6	ethyl acetate	5 - 10%	✓	
108-88-3	toluene	5 - 10%	✓	
1330-20-7	xylene	5 - 10%	✓	
67-63-0	propan-2-ol	3 - 5%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
80-62-6	methyl methacrylate	0.1 - 0.3%	✓	
97-88-1	n-butyl methacrylate	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethyl acetate	TWA	713 mg/m ³
	TWA	200 ppm
toluene	TWA	720 mg/m ³
	TWA	50 ppm
xylene	TWA	188 mg/m ³
	TWA	50 ppm
propan-2-ol	TWA	217 mg/m ³
	TWA	400 ppm
	STEL	500 ppm
ethylbenzene	STEL	1,230 mg/m ³
	TWA	983 mg/m ³
	TWA	100 ppm
methyl methacrylate	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) [®]	0.7 mm	480 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: milky Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	77 °C	
Flash point	22 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	11 %	
Lower explosion limit	1 %	
Vapour pressure	16.3 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.95 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	399 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	60 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
ethyl acetate	Category 3
toluene	Category 2
xylene	Category 2
propan-2-ol	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2

Serious eye damage/eye irritation

ethyl acetate	Category 2A
toluene	Category 2B
xylene	Category 2A
propan-2-ol	Category 2A
ethylbenzene	Category 2B
n-butyl methacrylate	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene	Category 2
methyl methacrylate	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

- **Skin Absorption**

Spleen n-butyl methacrylate

Body weight effects ethyl acetate

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
toluene	Category 2
xylene	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Packing group: II
Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B11934851

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM01 White HS
Product code	AM01
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse.

Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
13463-67-7	Titanium dioxide	40 - 50%		
1330-20-7	xylene	10 - 20%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
21645-51-2	aluminium hydroxide	1 - 3%		
7631-86-9	amorphous Silica	1 - 3%		
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate

activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
Titanium dioxide	TWA	10 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
	TWA	150 ppm
n-butyl acetate	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
aluminium hydroxide	TWA	434 mg/m ³
	TWA	2 mg/m ³
	TWA	10 mg/m ³
amorphous Silica	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
methyl methacrylate	TWA	208 mg/m ³
	TWA	100 ppm
	TWA	532 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: white Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	26 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	2.9 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.56 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	41 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

Titanium dioxide	Category 3
xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
aluminium hydroxide	Category 1
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT



UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662
HSNO Classification
Skin corrosion/irritation Category 6.3A
Skin sensitisation Category 6.5B
Toxicity for reproduction Category 6.8B
Flammable liquids Category 3.1C
Acute aquatic toxicity Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11817207

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM02 White
Product code	AM02
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
13463-67-7	Titanium dioxide	3 - 5%		
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
21645-51-2	aluminium hydroxide	0.1 - 0.3%		
7631-86-9	amorphous Silica	0.1 - 0.3%		
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
Titanium dioxide	TWA	434 mg/m ³
	TWA	10 mg/m ³
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
pentyl acetate	TWA	208 mg/m ³
	TWA	100 ppm
aluminium hydroxide	TWA	532 mg/m ³
	TWA	2 mg/m ³
amorphous Silica	TWA	10 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: white Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	135 °C
Flash point	30 °C DIN 53213/ISO 1523
Evapouration rate	Slower than Ether
Flammability	
Upper explosion limit	10.3 %
Lower explosion limit	1 %
Vapour pressure	4.7 hPa

Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.02 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	55 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

**Ecotoxicity effects**

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
Titanium dioxide	Category 3
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
aluminium hydroxide	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.



Packing group: III
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935098

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM03 Micro White
Product code	AM03
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
13463-67-7	Titanium dioxide	30 - 40%		
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
1344-28-1	Aluminum oxide (Al ₂ O ₃)	3 - 5%		
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
1314-23-4	Zirconium oxide	0.3 - 1.0%		
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
Titanium dioxide	TWA	10 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
	TWA	150 ppm
n-butyl acetate	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
Aluminum oxide (Al ₂ O ₃)	TWA	434 mg/m ³
	TWA	2 mg/m ³
	TWA	50 ppm
methyl methacrylate	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
Zirconium oxide	STEL	10 mg/m ³
	TWA	5 mg/m ³
toluene	TWA	50 ppm

Chemical Name

TWA 188 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: white Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	135 °C
Flash point	31 °C DIN 53213/ISO 1523

Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	3.9 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.33 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	49 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss

of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

Titanium dioxide	Category 3
xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT



UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662
HSNO Classification
Acute inhalation toxicity Category 6.1E
Skin corrosion/irritation Category 6.3A
Skin sensitisation Category 6.5B
Toxicity for reproduction Category 6.8B
Flammable liquids Category 3.1C
Acute aquatic toxicity Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935406

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM05 Jet Black
Product code	AM05
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
1333-86-4	carbon black	3 - 5%		
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath,

wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	TWA	217 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
carbon black	TWA	3 mg/m ³
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: black Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	24 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	5.1 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.99 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	55 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT



UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935183

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM06 Black HS
Product code	AM06
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
555-32-8	Aluminum benzoate	1 - 3%		
1333-86-4	carbon black	1 - 3%		
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate

activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	TWA	217 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
Aluminum benzoate	TWA	2 mg/m ³
carbon black	TWA	3 mg/m ³
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: black Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	29 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	5.4 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.98 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	49 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT



UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
3.0	9

Revision Date: 2015-01-13
B11935173

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM07 Black
Product code	AM07
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: n-butyl methacrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
80-62-6	methyl methacrylate	1 - 3%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
555-32-8	Aluminum benzoate	0.1 - 0.3%		
1333-86-4	carbon black	0.1 - 0.3%		
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 50 - 60%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate

activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
methyl methacrylate	TWA	434 mg/m ³
	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
pentyl acetate	TWA	208 mg/m ³
	TWA	100 ppm
	TWA	532 mg/m ³
Aluminum benzoate	TWA	2 mg/m ³
carbon black	TWA	3 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: black Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	27 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	5.0 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.98 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	55 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Packing group: III
Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT



UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935100

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM10 Fine Aluminium
Product code	AM10
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
 IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
1330-20-7	xylene	20 - 30%	✓	
7429-90-5	aluminium powder (stabilized)	10 - 20%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	3 - 5%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist,

call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet Water spray

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
xylene	TWA	50 ppm
	TWA	217 mg/m ³
aluminium powder (stabilized)	TWA	5 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm

 Chemical Name

	STEL	416 mg/m ³
	TWA	208 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
ethanediol	CEIL	127 mg/m ³
	CEIL	50 ppm
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) ®	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: silver Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	29 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.8 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.04 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	355 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	23 s	ISO 2431-1993 6 mm

10. Stability and reactivity**Stability**

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 4
1,2,4-trimethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
mesitylene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Chronic aquatic toxicity

aluminium powder (stabilized)	Category 4
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
pentyl acetate	Category 4

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C



16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935413

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM11 Medium Fine Aluminium
Product code	AM11
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
 IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
7429-90-5	aluminium powder (stabilized)	20 - 30%	✓	
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	5 - 10%	✓	
95-63-6	1,2,4-trimethylbenzene	3 - 5%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	3 - 5%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist,

call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
aluminium powder (stabilized)	TWA	5 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
1,2,4-trimethylbenzene	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	25 ppm
mesitylene	TWA	123 mg/m ³
	TWA	25 ppm
	TWA	25 ppm
methyl methacrylate	TWA	123 mg/m ³
	TWA	123 mg/m ³
	TWA	50 ppm
	STEL	100 ppm

 Chemical Name

	STEL	416 mg/m ³
	TWA	208 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) ®	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: silver Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	30 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.6 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.1 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	355 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	23 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 4
1,2,4-trimethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
mesitylene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
cumene	Category 2
toluene	Category 2

Chronic aquatic toxicity

aluminium powder (stabilized)	Category 4
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
pentyl acetate	Category 4
cumene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

**Bioaccumulation**

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935429

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM13 Medium Coarse Aluminium
Product code	AM13
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	<p>Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.</p>
Precautionary statements	<p>Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.</p>

Avoid breathing dust/ vapours/ spray.
 IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
1330-20-7	xylene	20 - 30%	✓	
7429-90-5	aluminium powder (stabilized)	10 - 20%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	5 - 10%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	3 - 5%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet Water spray

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
xylene	TWA	50 ppm
	TWA	217 mg/m ³
aluminium powder (stabilized)	TWA	5 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
methyl methacrylate	TWA	50 ppm

 Chemical Name

	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
ethanediol	CEIL	127 mg/m ³
	CEIL	50 ppm
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to

use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: silver Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	30 °C	DIN 53213/ISO 1523
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.3 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.08 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	355 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	23 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 4
1,2,4-trimethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate Category 1

n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
cumene	Category 2
toluene	Category 2

Chronic aquatic toxicity

aluminium powder (stabilized)	Category 4
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
pentyl acetate	Category 4

cumene

Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935156

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM14 Coarse Aluminium
Product code	AM14
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
 IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
7429-90-5	aluminium powder (stabilized)	20 - 30%	✓	
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	3 - 5%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist,

call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet Water spray

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
aluminium powder (stabilized)	TWA	5 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
1,2,4-trimethylbenzene	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	25 ppm
mesitylene	TWA	123 mg/m ³
	TWA	25 ppm
	TWA	25 ppm
methyl methacrylate	TWA	123 mg/m ³
	TWA	123 mg/m ³
	TWA	50 ppm
	STEL	100 ppm

 Chemical Name

	STEL	416 mg/m ³
	TWA	208 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
ethanediol	CEIL	127 mg/m ³
	CEIL	50 ppm
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) ®	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: silver Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	30 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.4 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.1 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	355 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	49 s	ISO 2431-1993 6 mm

10. Stability and reactivity**Stability**

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 4
1,2,4-trimethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
mesitylene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Chronic aquatic toxicity

aluminium powder (stabilized)	Category 4
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
pentyl acetate	Category 4

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662

HSNO Classification

Acute inhalation toxicity Category 6.1E

Skin corrosion/irritation Category 6.3A

Skin sensitisation Category 6.5B

Toxicity for reproduction Category 6.8B

Flammable liquids Category 3.1C

Acute aquatic toxicity Category 9.1C

Chronic aquatic toxicity Category 9.1C



16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935435

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM16 Medium Aluminium
Product code	AM16
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
 IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
1330-20-7	xylene	20 - 30%	✓	
7429-90-5	aluminium powder (stabilized)	10 - 20%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
8052-41-3	stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	5 - 10%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist,

call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet Water spray

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
xylene	TWA	50 ppm
aluminium powder (stabilized)	TWA	217 mg/m ³
n-butyl acetate	TWA	5 mg/m ³
ethylbenzene	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	TWA	100 ppm
	TWA	525 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
mesitylene	TWA	123 mg/m ³
	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³

Chemical Name		
	TWA	123 mg/m ³
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
ethanediol	CEIL	127 mg/m ³
	CEIL	50 ppm
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: silver Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	31 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.9 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.05 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	232 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
1,2,4-trimethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
mesitylene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Chronic aquatic toxicity

aluminium powder (stabilized)	Category 4
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
pentyl acetate	Category 4

Ecotoxic to terrestrial invertebrates

xylene	Category 9.4C
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% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11934088

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM17 Fine Bright Aluminium
Product code	AM17
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
1330-20-7	xylene	20 - 30%	✓	
7429-90-5	aluminium powder (stabilized)	10 - 20%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	5 - 10%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet Water spray

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
xylene	TWA	50 ppm
	TWA	217 mg/m ³
aluminium powder (stabilized)	TWA	5 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³

 Chemical Name

ethanediol	CEIL	127 mg/m ³
	CEIL	50 ppm
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R)®	0.7 mm	480 min
n-butyl acetate	Viton (R)®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)		0.33 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R)®	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: silver Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	30 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	5.0 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.06 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	245 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	49 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 4
1,2,4-trimethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
mesitylene	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
mesitylene	Category 2
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene	Category 9.4C
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% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C



16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935668

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM20 Violet
Product code	AM20
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful in contact with skin. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
IF exposed or concerned: Get medical advice/ attention.
If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
1330-20-7	xylene	30 - 40%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
628-63-7	pentyl acetate	1 - 3%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath,

wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
ethylbenzene	STEL	950 mg/m ³
	TWA	713 mg/m ³
	TWA	100 ppm
pentyl acetate	STEL	125 ppm
	STEL	543 mg/m ³
methyl methacrylate	TWA	434 mg/m ³
	TWA	100 ppm
toluene	TWA	532 mg/m ³
	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: violet Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	30 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	6.6 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.95 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	360 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	23 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

xylene	Category 4
2-hydroxyethyl acrylate	Category 2

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
pentyl acetate	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT



UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935210

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM21 Violet Blue
Product code	AM21
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful in contact with skin. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
 IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
1330-20-7	xylene	30 - 40%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
81-77-6	5,9,14,18-Anthrazinetetrone, 6,15-dihydro-	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
628-63-7	pentyl acetate	1 - 3%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate

activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
xylene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
pentyl acetate	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	100 ppm
methyl methacrylate	TWA	532 mg/m ³
	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
toluene	TWA	208 mg/m ³
	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: blue Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	29 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	6.1 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.97 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	360 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	49 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

xylene	Category 4
2-hydroxyethyl acrylate	Category 2

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
pentyl acetate	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
5,9,14,18-Anthrazinetetrone, 6,15-dihydro-	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)



Proper shipping name: PAINT
UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935225

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM25 Transparent Blue
Product code	AM25
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Causes mild skin irritation. May cause an allergic skin reaction. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: 2-hydroxyethyl methacrylate. May produce an allergic reaction.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	5 - 10%	✓	
95-63-6	1,2,4-trimethylbenzene	3 - 5%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
688-84-6	2-ethylhexyl methacrylate	0.3 - 1.0%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
868-77-9	2-hydroxyethyl methacrylate	0.1 - 0.3%	✓	
112-02-7	1-Hexadecanaminium, N,N,N-trimethyl-, chloride (1:1)	0.0 - 0.1%	✓	

Non-regulated ingredients 50 - 60%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
	Nitrile rubber	0.33 mm	30 min
xylene	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: blue Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	36 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	4.2 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.09 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	377 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
ethyl 3-ethoxypropionate	Category 3
xylene	Category 2
ethylbenzene	Category 3
mesitylene	Category 3
2-ethylhexyl methacrylate	Category 3
2-hydroxyethyl methacrylate	Category 2
1-Hexadecanaminium, N,N,N-trimethyl-, chloride (1:1)	Category 1C

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

2-ethylhexyl methacrylate	Category 1
2-hydroxyethyl methacrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
ethyl 3-ethoxypropionate	Category 3
xylene	Category 3
ethylbenzene	Category 2
mesitylene	Category 2
2-ethylhexyl methacrylate	Category 2
cumene	Category 2
1-Hexadecanaminium, N,N,N-trimethyl-, chloride (1:1)	Category 1

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
2-ethylhexyl methacrylate	Category 3
cumene	Category 2
1-Hexadecanaminium, N,N,N-trimethyl-, chloride (1:1)	Category 1

% of unknown composition 3.6%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

**Matters needing attention for transportation**

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935725

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM26 Organic Blue
Product code	AM26
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful in contact with skin. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
 IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Hazardous
1330-20-7	xylene	30 - 40%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
628-63-7	pentyl acetate	1 - 3%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath,

wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
ethylbenzene	STEL	950 mg/m ³
	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
pentyl acetate	STEL	543 mg/m ³
	TWA	434 mg/m ³
methyl methacrylate		
	TWA	100 ppm
	TWA	532 mg/m ³
toluene	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: blue Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	31 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	6.8 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.96 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	360 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	49 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

xylene	Category 4
2-hydroxyethyl acrylate	Category 2

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
pentyl acetate	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT



UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935376

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM27 Blue
Product code	AM27
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful in contact with skin. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
IF exposed or concerned: Get medical advice/ attention.
If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
1330-20-7	xylene	30 - 40%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
628-63-7	pentyl acetate	1 - 3%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
7727-43-7	barium sulphate, natural	0.1 - 0.3%		
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate

activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
xylene	TWA	50 ppm
	STEL	217 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
barium sulphate, natural	TWA	10 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: blue Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	27 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	6.9 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.96 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	360 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

xylene	Category 4
2-hydroxyethyl acrylate	Category 2

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
pentyl acetate	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT



UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935553

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM28 Fast Blue HS
Product code	AM28
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful in contact with skin. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
 IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
1330-20-7	xylene	30 - 40%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
628-63-7	pentyl acetate	1 - 3%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
7727-43-7	barium sulphate, natural	0.1 - 0.3%		
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate

activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
xylene	TWA	50 ppm
	STEL	217 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
pentyl acetate	TWA	434 mg/m ³
	TWA	100 ppm
methyl methacrylate	TWA	532 mg/m ³
	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
barium sulphate, natural	TWA	208 mg/m ³
	TWA	10 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: blue Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	30 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	6.7 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.96 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	360 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	49 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

xylene	Category 4
2-hydroxyethyl acrylate	Category 2

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
pentyl acetate	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT



UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935532

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM29 Light Blue
Product code	AM29
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	
112-02-7	1-Hexadecanaminium, N,N,N-trimethyl-, chloride (1:1)	0.0 - 0.1%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause

respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
xylene	TWA	50 ppm
	STEL	217 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: blue Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	29 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	5.4 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5
1-Hexadecanaminium, N,N,N-trimethyl-, chloride (1:1)	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2
1-Hexadecanaminium, N,N,N-trimethyl-, chloride (1:1)	Category 1C

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2
1-Hexadecanaminium, N,N,N-trimethyl-, chloride (1:1)	Category 1

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)



Proper shipping name: PAINT
UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935549

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM30 Fast Green HS
Product code	AM30
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful in contact with skin. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
IF exposed or concerned: Get medical advice/ attention.
If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
1330-20-7	xylene	30 - 40%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
628-63-7	pentyl acetate	1 - 3%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath,

wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	TWA	217 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: green Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	24 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	6.3 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.99 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	330 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

xylene	Category 4
2-hydroxyethyl acrylate	Category 2

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
pentyl acetate	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT



UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935311

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM31 Fast Green LS
Product code	AM31
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 50 - 60%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
methyl methacrylate	TWA	434 mg/m ³
	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
pentyl acetate	TWA	208 mg/m ³
	TWA	100 ppm
	TWA	532 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: green Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	27 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	5.2 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.98 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	330 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	55 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.



15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935143

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM32 Green
Product code	AM32
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
1330-20-7	xylene	30 - 40%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
628-63-7	pentyl acetate	1 - 3%	✓	
51274-00-1	Light yellow lemon yellow oxide pigment	0.3 - 1.0%		
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath,

wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
pentyl acetate	TWA	434 mg/m ³
	TWA	100 ppm
	TWA	532 mg/m ³
Light yellow lemon yellow oxide pigment	TWA	1 mg/m ³
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: green Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	29 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	5.8 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.02 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	360 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	21 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
pentyl acetate	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT



UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935307

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM33 Green Gold
Product code	AM33
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful in contact with skin. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
IF exposed or concerned: Get medical advice/ attention.
If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
1330-20-7	xylene	30 - 40%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
628-63-7	pentyl acetate	1 - 3%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath,

wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	TWA	217 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: green Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	25 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	6.6 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.96 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	360 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	49 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

xylene	Category 4
2-hydroxyethyl acrylate	Category 2

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
pentyl acetate	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT



UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935284

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM34 Fast Green
Product code	AM34
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
1330-20-7	xylene	30 - 40%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
methyl methacrylate	TWA	434 mg/m ³
	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
pentyl acetate	TWA	208 mg/m ³
	TWA	100 ppm
	TWA	532 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: green Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	26 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	5.3 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.02 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	330 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 2.9%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935359

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM41 Yellow
Product code	AM41
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Hazardous
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
628-63-7	pentyl acetate	1 - 3%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
ethylbenzene		
	STEL	950 mg/m ³
	TWA	713 mg/m ³
	TWA	100 ppm
ethylbenzene		
	STEL	125 ppm
	STEL	543 mg/m ³
pentyl acetate	TWA	434 mg/m ³
	TWA	100 ppm
pentyl acetate		
	TWA	532 mg/m ³
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
methyl methacrylate		
	TWA	208 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: yellow Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	31 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	5.3 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.02 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	360 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	55 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
pentyl acetate	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 15.2%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935277

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM43 Bright Yellow
Product code	AM43
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
628-63-7	pentyl acetate	1 - 3%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
pentyl acetate	TWA	434 mg/m ³
	TWA	100 ppm
methyl methacrylate	TWA	532 mg/m ³
	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
toluene	TWA	208 mg/m ³
	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: yellow Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	27 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	5.2 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.02 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	290 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	23 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
pentyl acetate	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 17.3%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935247

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM45 Transparent Yellow
Product code	AM45
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful in contact with skin. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
 IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Hazardous
1330-20-7	xylene	30 - 40%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
628-63-7	pentyl acetate	1 - 3%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath,

wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
pentyl acetate	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	100 ppm
methyl methacrylate	TWA	532 mg/m ³
	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
toluene	TWA	208 mg/m ³
	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: yellow Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	28 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	6.9 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.95 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	360 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	100 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

xylene	Category 4
2-hydroxyethyl acrylate	Category 2

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
pentyl acetate	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT



UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935565

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM46 Orange Yellow
Product code	AM46
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
628-63-7	pentyl acetate	1 - 3%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
pentyl acetate	TWA	434 mg/m ³
	TWA	100 ppm
methyl methacrylate	TWA	532 mg/m ³
	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
toluene	TWA	208 mg/m ³
	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: orange Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	28 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	5.2 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.04 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	360 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	21 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
pentyl acetate	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935266

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM50 Brilliant Red
Product code	AM50
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
1330-20-7	xylene	30 - 40%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
628-63-7	pentyl acetate	1 - 3%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
pentyl acetate	TWA	434 mg/m ³
	TWA	100 ppm
methyl methacrylate	TWA	532 mg/m ³
	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
toluene	TWA	208 mg/m ³
	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: red Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	28 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	5.7 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.01 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	360 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	21 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
pentyl acetate	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935521

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM53 Red Orange
Product code	AM53
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
628-63-7	pentyl acetate	1 - 3%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m3
	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m3
ethylbenzene	TWA	713 mg/m3
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
pentyl acetate	TWA	434 mg/m3
	TWA	100 ppm
	TWA	532 mg/m3
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m3
	TWA	208 mg/m3
toluene	TWA	50 ppm
	TWA	188 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: red Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	31 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	5.2 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.03 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	320 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	26 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
pentyl acetate	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935233

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM55 Light Red
Product code	AM55
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful in contact with skin. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
 IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
1330-20-7	xylene	30 - 40%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
628-63-7	pentyl acetate	1 - 3%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
7727-43-7	barium sulphate, natural	0.1 - 0.3%		
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate

activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	TWA	217 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
barium sulphate, natural	TWA	10 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: red Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	29 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	6.1 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.98 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	360 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

xylene	Category 4
2-hydroxyethyl acrylate	Category 2

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 1.4 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
pentyl acetate	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 1.4%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT



UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935323

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM58 Deep Maroon
Product code	AM58
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Hazardous
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
7727-43-7	barium sulphate, natural	0.3 - 1.0%		
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath,

wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
xylene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
barium sulphate, natural	TWA	434 mg/m ³
	TWA	10 mg/m ³
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: red Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	24 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	5.3 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.99 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	33 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

**Acute aquatic toxicity**

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT



UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-29
B11935338

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM62 Transparent Red
Product code	AM62
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful in contact with skin. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
IF exposed or concerned: Get medical advice/ attention.
If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
1330-20-7	xylene	30 - 40%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
628-63-7	pentyl acetate	1 - 3%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
1309-37-1	Iron oxide	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate

activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
xylene	TWA	50 ppm
	TWA	217 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
pentyl acetate	TWA	434 mg/m ³
	TWA	100 ppm
methyl methacrylate	TWA	532 mg/m ³
	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
Iron oxide	TWA	208 mg/m ³
	TWA	5 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: red Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	24 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	6.5 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.95 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	360 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	49 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

xylene	Category 4
2-hydroxyethyl acrylate	Category 2

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
pentyl acetate	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
2-hydroxyethyl acrylate	Category 1B
Iron oxide	Category 2
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
Iron oxide	Category 3
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)



Proper shipping name: PAINT
UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935580

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM63 Transparent Red LS
Product code	AM63
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: 2-hydroxyethyl methacrylate. May produce an allergic reaction.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	5 - 10%	✓	
1330-20-7	xylene	5 - 10%	✓	
95-63-6	1,2,4-trimethylbenzene	3 - 5%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
1332-58-7	Kaolin	1 - 3%		
108-67-8	mesitylene	0.3 - 1.0%	✓	
688-84-6	2-ethylhexyl methacrylate	0.3 - 1.0%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
868-77-9	2-hydroxyethyl methacrylate	0.1 - 0.3%	✓	

Non-regulated ingredients 50 - 60%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
xylene	TWA	713 mg/m ³
	TWA	50 ppm
1,2,4-trimethylbenzene	TWA	217 mg/m ³
	TWA	25 ppm
ethylbenzene	TWA	123 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
Kaolin	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	2 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
cumene	TWA	123 mg/m ³
	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
	Nitrile rubber	0.33 mm	30 min
xylene	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: red Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	32 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	4.5 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.05 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	377 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethyl 3-ethoxypropionate	Category 3
ethylbenzene	Category 3
mesitylene	Category 3
2-ethylhexyl methacrylate	Category 3
2-hydroxyethyl methacrylate	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

2-ethylhexyl methacrylate	Category 1
2-hydroxyethyl methacrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
ethyl 3-ethoxypropionate	Category 3
ethylbenzene	Category 2
mesitylene	Category 2
2-ethylhexyl methacrylate	Category 2
cumene	Category 2

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
2-ethylhexyl methacrylate	Category 3
cumene	Category 2

% of unknown composition 5.9%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

**Matters needing attention for transportation**

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935710

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM64 Magenta
Product code	AM64
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
1330-20-7	xylene	30 - 40%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
628-63-7	pentyl acetate	1 - 3%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits Workplace Exposure Standards (WESs) 2002

Chemical Name		
xylene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
pentyl acetate	TWA	434 mg/m ³
	TWA	100 ppm
	TWA	532 mg/m ³
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: red Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	28 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	6.1 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.97 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	360 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
pentyl acetate	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935600

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM66 Red Violet
Product code	AM66
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS Hazardous	Haz- ardous
1330-20-7	xylene	30 - 40%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
628-63-7	pentyl acetate	1 - 3%	✓	
1309-37-1	Iron oxide	0.3 - 1.0%	✓	
1332-58-7	Kaolin	0.3 - 1.0%		
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate

activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	TWA	217 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
pentyl acetate	TWA	434 mg/m ³
	TWA	100 ppm
Iron oxide	TWA	532 mg/m ³
	TWA	5 mg/m ³
Kaolin	TWA	2 mg/m ³
	TWA	50 ppm
methyl methacrylate	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: violet Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	30 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	5.5 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.99 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	360 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	49 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
pentyl acetate	Category 3
Iron oxide	Category 2
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
Iron oxide	Category 3
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)



Proper shipping name: PAINT
UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935346

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM70 Fast Blue LS
Product code	AM70
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: n-butyl methacrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
80-62-6	methyl methacrylate	1 - 3%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 50 - 60%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
methyl methacrylate	TWA	434 mg/m ³
	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
pentyl acetate	TWA	208 mg/m ³
	TWA	100 ppm
	TWA	532 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: blue Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	26 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	5.1 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.98 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	55 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935122

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM72 Russet Pearl
Product code	AM72
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS Hazardous	Haz-
1330-20-7	xylene	20 - 30%	✓	
1309-37-1	Iron oxide	10 - 20%	✓	
12001-26-2	Mica	10 - 20%		
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
Iron oxide	TWA	217 mg/m ³
	TWA	5 mg/m ³
	TWA	3 mg/m ³
Mica	TWA	3 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
methyl methacrylate	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	50 ppm
pentyl acetate	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
ethanediol	TWA	100 ppm
	TWA	532 mg/m ³
toluene	ethanediol	CEIL 127 mg/m ³
	ethanediol	CEIL 50 ppm
	TWA	50 ppm

Chemical Name

TWA 188 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: red Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	135 °C
Flash point	29 °C DIN 53213/ISO 1523

Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.5 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.15 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
Iron oxide	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous

system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
Iron oxide	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433	
Proper shipping name:	PAINT
UN number:	1263
Hazard Class:	3



Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
 B11935656

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM73 White Pearl
Product code	AM73
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
1330-20-7	xylene	20 - 30%	✓	
12001-26-2	Mica	10 - 20%		
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
13463-67-7	Titanium dioxide	5 - 10%		
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
18282-10-5	Tin oxide	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	STEL	217 mg/m ³
Mica	TWA	3 mg/m ³
	STEL	150 ppm
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
Titanium dioxide	TWA	10 mg/m ³
	STEL	50 ppm
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
pentyl acetate	TWA	208 mg/m ³
	TWA	100 ppm
ethanediol	TWA	532 mg/m ³
	CEIL	127 mg/m ³
Tin oxide	CEIL	50 ppm
	STEL	0.2 mg/m ³

 Chemical Name

	TWA	0.1 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: white Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	29 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.6 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.14 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
Titanium dioxide	Category 3
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
Tin oxide	Category 3
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Packing group: III
Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935497

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM74 Blue Pearl
Product code	AM74
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
1330-20-7	xylene	20 - 30%	✓	
12001-26-2	Mica	10 - 20%		
13463-67-7	Titanium dioxide	10 - 20%		
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
18282-10-5	Tin oxide	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	STEL	217 mg/m ³
Mica	TWA	3 mg/m ³
	STEL	10 mg/m ³
Titanium dioxide	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
n-butyl acetate	TWA	713 mg/m ³
	STEL	100 ppm
	STEL	125 ppm
ethylbenzene	STEL	543 mg/m ³
	TWA	434 mg/m ³
	STEL	50 ppm
methyl methacrylate	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
ethanediol	CEIL	127 mg/m ³
	CEIL	50 ppm
Tin oxide	STEL	0.2 mg/m ³

 Chemical Name

	TWA	0.1 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: blue Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	28 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.6 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.15 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
Titanium dioxide	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
Tin oxide	Category 3
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
 B11935485

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM75 Super Green Pearl
Product code	AM75
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS Hazardous	Haz-
1330-20-7	xylene	20 - 30%	✓	
12001-26-2	Mica	10 - 20%		
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
18282-10-5	Tin oxide	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
xylene	TWA	50 ppm
	STEL	217 mg/m ³
Mica	TWA	3 mg/m ³
	STEL	150 ppm
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
pentyl acetate	TWA	208 mg/m ³
	TWA	100 ppm
ethanediol	TWA	532 mg/m ³
	CEIL	127 mg/m ³
Tin oxide	CEIL	50 ppm
	STEL	0.2 mg/m ³
	TWA	0.1 mg/m ³

Chemical Name

toluene	TWA	50 ppm
	TWA	188 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: green Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.

Boiling point	135 °C	
Flash point	29 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.2 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.18 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss

of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
Tin oxide	Category 3
toluene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT



UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662
HSNO Classification
Acute inhalation toxicity Category 6.1E
Skin corrosion/irritation Category 6.3A
Skin sensitisation Category 6.5B
Toxicity for reproduction Category 6.8B
Flammable liquids Category 3.1C
Acute aquatic toxicity Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935683

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM76 Gold Pearl
Product code	AM76
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
1330-20-7	xylene	20 - 30%	✓	
12001-26-2	Mica	10 - 20%		
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
13463-67-7	Titanium dioxide	5 - 10%		
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
18282-10-5	Tin oxide	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	STEL	217 mg/m ³
Mica	TWA	3 mg/m ³
	STEL	150 ppm
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
Titanium dioxide	TWA	10 mg/m ³
	STEL	50 ppm
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
pentyl acetate	TWA	208 mg/m ³
	TWA	100 ppm
ethanediol	TWA	532 mg/m ³
	CEIL	127 mg/m ³
Tin oxide	CEIL	50 ppm
	STEL	0.2 mg/m ³

 Chemical Name

	TWA	0.1 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: gold Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	28 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.6 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.13 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
Titanium dioxide	Category 3
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
Tin oxide	Category 3
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Packing group: III
Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935464

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM77 Copper Pearl
Product code	AM77
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS Hazardous	Haz-
1330-20-7	xylene	20 - 30%	✓	
1309-37-1	Iron oxide	10 - 20%	✓	
12001-26-2	Mica	10 - 20%		
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
Iron oxide	TWA	217 mg/m ³
	TWA	5 mg/m ³
	TWA	3 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
methyl methacrylate	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	50 ppm
pentyl acetate	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
ethanediol	TWA	100 ppm
	TWA	532 mg/m ³
toluene	ethanediol	CEIL 127 mg/m ³
	ethanediol	CEIL 50 ppm
	TWA	50 ppm

Chemical Name

TWA 188 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: copper Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	135 °C
Flash point	29 °C

DIN 53213/ISO 1523

Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.5 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.14 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
Iron oxide	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous

system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
Iron oxide	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433	
Proper shipping name:	PAINT
UN number:	1263
Hazard Class:	3

Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
 B11935673

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM78 Aluminium Gold
Product code	AM78
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C

Endpoints which are ""not classified"", ""cannot classified"" and ""not applicable"" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Hazardous
1330-20-7	xylene	20 - 30%	✓	
7429-90-5	aluminium powder (stabilized)	10 - 20%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	10 - 20%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
1309-37-1	Iron oxide	3 - 5%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
aluminium powder (stabilized)	TWA	217 mg/m ³
	TWA	5 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
Iron oxide	TWA	5 mg/m ³
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
	TWA	532 mg/m ³
ethanediol	CEIL	127 mg/m ³
	CEIL	50 ppm
toluene	TWA	50 ppm

Chemical Name

TWA 188 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: gold Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	135 °C
Flash point	31 °C DIN 53213/ISO 1523

Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	3.9 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.1 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	355 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	49 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 3
Iron oxide	Category 2
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
Iron oxide	Category 3
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433	
Proper shipping name:	PAINT
UN number:	1263
Hazard Class:	3
Packing group:	III
Hazchem Code:	3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662
HSNO Classification
Acute inhalation toxicity Category 6.1E
Skin corrosion/irritation Category 6.3A
Skin sensitisation Category 6.5B
Toxicity for reproduction Category 6.8B
Flammable liquids Category 3.1C
Acute aquatic toxicity Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935692

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM79 Violet Pearl
Product code	AM79
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Hazardous
1330-20-7	xylene	20 - 30%	✓	
12001-26-2	Mica	10 - 20%		
13463-67-7	Titanium dioxide	10 - 20%		
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
18282-10-5	Tin oxide	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	STEL	217 mg/m ³
	STEL	217 mg/m ³
Mica	TWA	3 mg/m ³
	STEL	10 mg/m ³
	STEL	10 mg/m ³
Titanium dioxide	TWA	10 mg/m ³
	STEL	150 ppm
	STEL	200 ppm
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	STEL	100 ppm
	STEL	125 ppm
methyl methacrylate	STEL	543 mg/m ³
	TWA	434 mg/m ³
	STEL	434 mg/m ³
pentyl acetate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
ethanediol	TWA	208 mg/m ³
	TWA	100 ppm
	TWA	532 mg/m ³
Tin oxide	CEIL	127 mg/m ³
	CEIL	50 ppm
	STEL	0.2 mg/m ³

 Chemical Name

	TWA	0.1 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: violet Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	28 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.6 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.13 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
Titanium dioxide	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
Tin oxide	Category 3
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Packing group: III
Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935502

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM81 Yellow Oxide HS
Product code	AM81
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
51274-00-1	Light yellow lemon yellow oxide pigment	40 - 50%		
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
1332-37-2	Red iron oxide light	0.1 - 0.3%		
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate

activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
Light yellow lemon yellow oxide pigment	TWA	1 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
	TWA	150 ppm
n-butyl acetate	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
	TWA	100 ppm
ethylbenzene	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	50 ppm
methyl methacrylate	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
	TWA	100 ppm
pentyl acetate	TWA	532 mg/m ³
	TWA	1 mg/m ³
Red iron oxide light	TWA	1 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: yellow Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	30 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	3.6 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.39 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	36 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
Red iron oxide light	Category 2
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

**Matters needing attention for transportation**

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	3, 8, 9

Revision Date: 2015-01-13
B11935579

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM82 Yellow Oxide LS
Product code	AM82
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
51274-00-1	Light yellow lemon yellow oxide pigment	5 - 10%		
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath,

wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
Light yellow lemon yellow oxide pigment	TWA	434 mg/m ³
	TWA	1 mg/m ³
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: yellow Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	30 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.6 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.05 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	55 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

**Matters needing attention for transportation**

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	3, 8, 9

Revision Date: 2015-01-13
B11935130

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM84 Red Oxide LS
Product code	AM84
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: n-butyl methacrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
1332-37-2	Red iron oxide light	5 - 10%		
80-62-6	methyl methacrylate	1 - 3%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath,

wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
ethylbenzene	STEL	950 mg/m ³
	TWA	713 mg/m ³
	TWA	100 ppm
Red iron oxide light	STEL	125 ppm
	STEL	543 mg/m ³
methyl methacrylate	TWA	434 mg/m ³
	TWA	1 mg/m ³
pentyl acetate	TWA	50 ppm
	STEL	100 ppm
toluene	STEL	416 mg/m ³
	TWA	208 mg/m ³
	TWA	100 ppm
	TWA	532 mg/m ³
	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: red Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	31 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.6 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.03 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	55 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
Red iron oxide light	Category 2
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

**Matters needing attention for transportation**

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935116

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM85 Transparent Maroon
Product code	AM85
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
 IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
7727-43-7	barium sulphate, natural	1 - 3%		
108-32-7	propylene carbonate	1 - 3%	✓	
68188-14-7	Barium resinate	0.3 - 1.0%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
109-99-9	tetrahydrofuran	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
1309-37-1	Iron oxide	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
xylene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
ethylbenzene		950 mg/m ³
	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
barium sulphate, natural	TWA	434 mg/m ³
	TWA	10 mg/m ³
Barium resinate	TWA	0.5 mg/m ³
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
tetrahydrofuran	TWA	100 ppm

 Chemical Name

	TWA	295 mg/m3
Iron oxide	TWA	5 mg/m3
toluene	TWA	50 ppm
	TWA	188 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: red Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	28 °C	DIN 53213/ISO 1523
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	6.6 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.03 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
Barium resinate	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
Iron oxide	Category 2
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

tetrahydrofuran Category 2

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
Iron oxide	Category 3
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002669
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935598

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.



End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM86 Opaque Red
Product code	AM86
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
IF exposed or concerned: Get medical advice/ attention.
If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
109-99-9	tetrahydrofuran	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 50 - 60%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate

activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
methyl methacrylate	TWA	434 mg/m ³
	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
pentyl acetate	TWA	208 mg/m ³
	TWA	100 ppm
	TWA	532 mg/m ³
tetrahydrofuran	TWA	100 ppm
	TWA	295 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: red Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	27 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	6.0 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.02 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	49 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

tetrahydrofuran	Category 2
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Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT



UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002669
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935362

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM87 Red Violet
Product code	AM87
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	<p>Flammable liquid and vapour. Causes mild skin irritation. May cause an allergic skin reaction. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.</p>
Precautionary statements	<p>Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep cool.</p>

Other hazards which do not result in classification

Contains: 2-hydroxyethyl methacrylate. May produce an allergic reaction.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
123-86-4	n-butyl acetate	20 - 30%	✓	
1330-20-7	xylene	5 - 10%	✓	
95-63-6	1,2,4-trimethylbenzene	3 - 5%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	3 - 5%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
688-84-6	2-ethylhexyl methacrylate	0.3 - 1.0%	✓	
1309-37-1	Iron oxide	0.3 - 1.0%	✓	
1332-58-7	Kaolin	0.3 - 1.0%		
98-82-8	cumene	0.1 - 0.3%	✓	
868-77-9	2-hydroxyethyl methacrylate	0.1 - 0.3%	✓	

Non-regulated ingredients 50 - 60%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
xylene	TWA	713 mg/m ³
	TWA	50 ppm
1,2,4-trimethylbenzene	TWA	217 mg/m ³
	TWA	25 ppm
ethylbenzene	TWA	123 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
mesitylene	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	25 ppm
	TWA	25 ppm
Iron oxide	TWA	123 mg/m ³
	TWA	123 mg/m ³
	TWA	5 mg/m ³
Kaolin	TWA	2 mg/m ³
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) ®	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: red Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	34 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	4.8 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.05 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	377 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
ethyl 3-ethoxypropionate	Category 3
ethylbenzene	Category 3
mesitylene	Category 3
2-ethylhexyl methacrylate	Category 3
Iron oxide	Category 2
2-hydroxyethyl methacrylate	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

2-ethylhexyl methacrylate	Category 1
2-hydroxyethyl methacrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
ethyl 3-ethoxypropionate	Category 3
ethylbenzene	Category 2
mesitylene	Category 2
2-ethylhexyl methacrylate	Category 2
Iron oxide	Category 3
cumene	Category 2

Chronic aquatic toxicity

1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
2-ethylhexyl methacrylate	Category 3
cumene	Category 2

% of unknown composition 4.5%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

**Matters needing attention for transportation**

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11936052

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM90 Transoxide Yellow
Product code	AM90
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
51274-00-1	Light yellow lemon yellow oxide pigment	20 - 30%		
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
1309-37-1	Iron oxide	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate

activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
Light yellow lemon yellow oxide pigment	TWA	1 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
	TWA	150 ppm
n-butyl acetate	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
methyl methacrylate	TWA	434 mg/m ³
	TWA	50 ppm
	STEL	100 ppm
pentyl acetate	STEL	416 mg/m ³
	TWA	208 mg/m ³
	TWA	100 ppm
Iron oxide	TWA	532 mg/m ³
	TWA	5 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: yellow Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	29 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.3 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.16 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	55 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
Iron oxide	Category 2
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
Iron oxide	Category 3
toluene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

**Matters needing attention for transportation**

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935257

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM91 Transoxide Red
Product code	AM91
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
1309-37-1	Iron oxide	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath,

wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m3
	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m3
Iron oxide	TWA	713 mg/m3
ethylbenzene	TWA	5 mg/m3
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
methyl methacrylate	TWA	434 mg/m3
	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m3
pentyl acetate	TWA	208 mg/m3
toluene	TWA	100 ppm
	TWA	532 mg/m3
	TWA	50 ppm
	TWA	188 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: red Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	24 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.5 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.12 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	33 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
Iron oxide	Category 2
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
Iron oxide	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

**Matters needing attention for transportation**

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935203

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM93 Transparent Brown
Product code	AM93
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful in contact with skin. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
 IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Hazardous
1330-20-7	xylene	30 - 40%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
628-63-7	pentyl acetate	1 - 3%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath,

wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
ethylbenzene		
	STEL	950 mg/m ³
	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
pentyl acetate		
	STEL	543 mg/m ³
	TWA	434 mg/m ³
methyl methacrylate	TWA	100 ppm
	TWA	532 mg/m ³
toluene	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: brown Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	30 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	6.5 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.96 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	280 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	100 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

xylene	Category 4
2-hydroxyethyl acrylate	Category 2

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
pentyl acetate	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT



UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11933630

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM94 Extra Coarse Aluminium
Product code	AM94
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
7429-90-5	aluminium powder (stabilized)	20 - 30%	✓	
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	3 - 5%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet Water spray

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
aluminium powder (stabilized)	TWA	5 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
1,2,4-trimethylbenzene	TWA	434 mg/m ³
	TWA	25 ppm
	TWA	123 mg/m ³
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³

 Chemical Name

ethanediol	CEIL	127 mg/m ³
	CEIL	50 ppm
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: silver Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	30 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.4 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.13 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	355 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity**Stability**

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 4
1,2,4-trimethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
mesitylene	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
mesitylene	Category 2
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene	Category 9.4C
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% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9



Version	Changes
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Revision Date:	2015-01-13
	B11935168

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM95 Bright Coarse Aluminium
Product code	AM95
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
 IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
7429-90-5	aluminium powder (stabilized)	20 - 30%	✓	
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	3 - 5%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	3 - 5%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
aluminium powder (stabilized)	TWA	5 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
methyl methacrylate	TWA	50 ppm

 Chemical Name

	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
ethanediol	CEIL	127 mg/m ³
	CEIL	50 ppm
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to

use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: silver Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	31 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.4 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.09 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	355 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	23 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 4
1,2,4-trimethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate Category 1

n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
cumene	Category 2
toluene	Category 2

Chronic aquatic toxicity

aluminium powder (stabilized)	Category 4
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
pentyl acetate	Category 4

cumene

Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935616

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM96 Red Blue
Product code	AM96
Intended use of the substance/preparation	
Coating for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Causes mild skin irritation. May cause an allergic skin reaction. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: 2-hydroxyethyl methacrylate. May produce an allergic reaction.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	30 - 40%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	3 - 5%	✓	
763-69-9	ethyl 3-ethoxypropionate	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
688-84-6	2-ethylhexyl methacrylate	0.3 - 1.0%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
868-77-9	2-hydroxyethyl methacrylate	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits Workplace Exposure Standards (WESs) 2002

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
xylene	TWA	713 mg/m ³
	TWA	50 ppm
1,2,4-trimethylbenzene	TWA	217 mg/m ³
	TWA	25 ppm
ethylbenzene	TWA	123 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
mesitylene	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	25 ppm
	TWA	25 ppm
cumene	TWA	123 mg/m ³
	TWA	123 mg/m ³
	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: blue Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	33 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	5.9 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.05 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	377 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
ethyl 3-ethoxypropionate	Category 3
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
mesitylene	Category 3
2-ethylhexyl methacrylate	Category 3
2-hydroxyethyl methacrylate	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

2-ethylhexyl methacrylate	Category 1
2-hydroxyethyl methacrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
ethyl 3-ethoxypropionate	Category 3
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2
mesitylene	Category 2
2-ethylhexyl methacrylate	Category 2
cumene	Category 2

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
2-ethylhexyl methacrylate	Category 3
cumene	Category 2

% of unknown composition 3.4%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935703

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM97 Fine Extra Bright Aluminium
Product code	AM97
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
 IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
7429-90-5	aluminium powder (stabilized)	20 - 30%	✓	
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
64742-81-0	Kerosine (petroleum), hydrodesulfurized	5 - 10%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet Water spray

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
aluminium powder (stabilized)	TWA	5 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
1,2,4-trimethylbenzene	TWA	434 mg/m ³
	TWA	25 ppm
	TWA	123 mg/m ³
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
pentyl acetate	TWA	208 mg/m ³
	TWA	100 ppm
ethanediol	TWA	532 mg/m ³
	CEIL	127 mg/m ³
	CEIL	50 ppm

 Chemical Name

mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: aluminum Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	130 °C	
Flash point	30 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	5.2 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.07 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	230 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	49 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
1,2,4-trimethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
Kerosine (petroleum), hydrodesulfurized	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
mesitylene	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
mesitylene	Category 2
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Chronic aquatic toxicity

aluminium powder (stabilized)	Category 4
Kerosine (petroleum), hydrodesulfurized	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
pentyl acetate	Category 4
mesitylene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9



Version	Changes
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Revision Date:	2015-01-13
	B12389709

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM98 Med Fine Bright Aluminium
Product code	AM98
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
 IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
7429-90-5	aluminium powder (stabilized)	20 - 30%	✓	
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
8052-41-3	stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	3 - 5%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist,

call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet Water spray

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
aluminium powder (stabilized)	TWA	5 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	TWA	434 mg/m ³
	TWA	100 ppm
1,2,4-trimethylbenzene	TWA	525 mg/m ³
	TWA	25 ppm
	TWA	123 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
methyl methacrylate	TWA	50 ppm

Chemical Name		
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
ethanediol	CEIL	127 mg/m ³
	CEIL	50 ppm
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothing made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: aluminum Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	29 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.5 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.09 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	232 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	49 s	ISO 2431-1993 6 mm

10. Stability and reactivity**Stability**

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
1,2,4-trimethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
mesitylene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Chronic aquatic toxicity

aluminium powder (stabilized)	Category 4
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 1
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
pentyl acetate	Category 4

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9



Version	Changes
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Revision Date:	2015-01-13
	B12389716

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM721 Satin Red Pearl
Product code	AM721
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS Hazardous	Haz-
1330-20-7	xylene	20 - 30%	✓	
1309-37-1	Iron oxide	10 - 20%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
12001-26-2	Mica	5 - 10%		
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
Iron oxide	TWA	217 mg/m ³
n-butyl acetate	TWA	5 mg/m ³
ethylbenzene	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
Mica	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
methyl methacrylate	TWA	434 mg/m ³
	TWA	3 mg/m ³
	STEL	50 ppm
pentyl acetate	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
ethanediol	TWA	100 ppm
	TWA	532 mg/m ³
toluene	CEIL	127 mg/m ³
	CEIL	50 ppm

Chemical Name

TWA 188 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: red Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	135 °C
Flash point	28 °C DIN 53213/ISO 1523

Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.5 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.14 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
Iron oxide	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous

system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
Iron oxide	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433	
Proper shipping name:	PAINT
UN number:	1263
Hazard Class:	3

Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
 B11935458

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM724 Interference Red Pearl
Product code	AM724
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
1330-20-7	xylene	20 - 30%	✓	
12001-26-2	Mica	10 - 20%		
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
13463-67-7	Titanium dioxide	5 - 10%		
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
18282-10-5	Tin oxide	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	STEL	217 mg/m ³
Mica	TWA	3 mg/m ³
	STEL	150 ppm
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
Titanium dioxide	TWA	10 mg/m ³
	STEL	50 ppm
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
ethanediol	CEIL	127 mg/m ³
	CEIL	50 ppm
Tin oxide	STEL	0.2 mg/m ³

 Chemical Name

	TWA	0.1 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: red Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	24 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.7 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.12 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
Titanium dioxide	Category 3
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
Tin oxide	Category 3
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Packing group: III
Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11935643

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM725 Radiant Red (Xirallic)
Product code	AM725
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
1344-28-1	Aluminum oxide (Al ₂ O ₃)	5 - 10%		
100-41-4	ethylbenzene	5 - 10%	✓	
1309-37-1	Iron oxide	5 - 10%	✓	
7631-86-9	amorphous Silica	0.3 - 1.0%		
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	TWA	217 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
Aluminum oxide (Al ₂ O ₃)	TWA	2 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
Iron oxide	TWA	5 mg/m ³
amorphous Silica	TWA	10 mg/m ³
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
ethanediol	CEIL	127 mg/m ³
	CEIL	50 ppm
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: red Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	29 °C	DIN 53213/ISO 1523
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.9 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.13 g/cm ³	DIN 53217/ISO 2811

Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
Iron oxide	Category 2
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
Iron oxide	Category 3
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)



Proper shipping name: PAINT
UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11938818

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM728 Red Green Pearl
Product code	AM728
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
1330-20-7	xylene	20 - 30%	✓	
1309-37-1	Iron oxide	10 - 20%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
12001-26-2	Mica	5 - 10%		
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
1314-23-4	Zirconium oxide	0.3 - 1.0%		
107-21-1	ethanediol	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
Iron oxide	TWA	217 mg/m ³
n-butyl acetate	TWA	5 mg/m ³
ethylbenzene	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
Mica	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
methyl methacrylate	TWA	434 mg/m ³
	STEL	100 ppm
	STEL	416 mg/m ³
pentyl acetate	TWA	208 mg/m ³
	TWA	100 ppm
Zirconium oxide	TWA	532 mg/m ³
	STEL	10 mg/m ³
ethanediol	TWA	5 mg/m ³
	CEIL	127 mg/m ³

 Chemical Name

	CEIL	50 ppm
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: green Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	28 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.5 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.14 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	23 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
Iron oxide	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
Iron oxide	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Packing group: III
Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11933932

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM731 Fine Satin White Pearl
Product code	AM731
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
1330-20-7	xylene	20 - 30%	✓	
12001-26-2	Mica	10 - 20%		
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
13463-67-7	Titanium dioxide	5 - 10%		
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
18282-10-5	Tin oxide	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	STEL	217 mg/m ³
Mica	TWA	3 mg/m ³
	STEL	150 ppm
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
Titanium dioxide	TWA	10 mg/m ³
	STEL	50 ppm
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
pentyl acetate	TWA	208 mg/m ³
	TWA	100 ppm
ethanediol	TWA	532 mg/m ³
	CEIL	127 mg/m ³
Tin oxide	CEIL	50 ppm
	STEL	0.2 mg/m ³

 Chemical Name

	TWA	0.1 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: white Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	28 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.6 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.13 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
Titanium dioxide	Category 3
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
Tin oxide	Category 3
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
 B11935622

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM732 Medium White Pearl
Product code	AM732
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
1330-20-7	xylene	20 - 30%	✓	
12001-26-2	Mica	10 - 20%		
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
13463-67-7	Titanium dioxide	5 - 10%		
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
18282-10-5	Tin oxide	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	STEL	217 mg/m ³
Mica	TWA	3 mg/m ³
	STEL	150 ppm
n-butyl acetate	TWA	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
Titanium dioxide	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	10 mg/m ³
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
pentyl acetate	TWA	208 mg/m ³
	TWA	100 ppm
	TWA	532 mg/m ³
Tin oxide	STEL	0.2 mg/m ³
	TWA	0.1 mg/m ³
ethanediol	CEIL	127 mg/m ³



 Chemical Name

	CEIL	50 ppm
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: white Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	29 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.6 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.13 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
Titanium dioxide	Category 3
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
Tin oxide	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Packing group: III
Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11933941

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM735 Crystal Silver (Xirallic)
Product code	AM735
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
1330-20-7	xylene	20 - 30%	✓	
1344-28-1	Aluminum oxide (Al ₂ O ₃)	10 - 20%		
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
13463-67-7	Titanium dioxide	3 - 5%		
7631-86-9	amorphous Silica	0.3 - 1.0%		
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
18282-10-5	Tin oxide	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	TWA	217 mg/m ³
Aluminum oxide (Al ₂ O ₃)	TWA	2 mg/m ³
	TWA	150 ppm
n-butyl acetate	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
Titanium dioxide	TWA	434 mg/m ³
	TWA	10 mg/m ³
amorphous Silica	TWA	10 mg/m ³
	TWA	50 ppm
methyl methacrylate	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
	TWA	100 ppm
pentyl acetate	TWA	532 mg/m ³
	CEIL	127 mg/m ³
ethanediol	CEIL	50 ppm
	STEL	0.2 mg/m ³
Tin oxide	TWA	0.1 mg/m ³
	TWA	50 ppm
toluene	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: white Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	135 °C
Flash point	24 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	10.3 %
Lower explosion limit	1 %
Vapour pressure	4.8 hPa

Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.13 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
Titanium dioxide	Category 3
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
Tin oxide	Category 3
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

**ICAO/IATA (Air transport)**

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11938825

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM741 Satin Blue Pearl
Product code	AM741
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS Hazardous	Haz- ardous
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
12001-26-2	Mica	5 - 10%		
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
18282-10-5	Tin oxide	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	STEL	217 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
Mica	TWA	3 mg/m ³
	STEL	50 ppm
methyl methacrylate	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
ethanediol	CEIL	127 mg/m ³
	CEIL	50 ppm
Tin oxide	STEL	0.2 mg/m ³
	TWA	0.1 mg/m ³

Chemical Name

toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: blue Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.

Boiling point	135 °C	
Flash point	29 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.6 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.13 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss



of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
Tin oxide	Category 3
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433	
Proper shipping name:	PAINT
UN number:	1263
Hazard Class:	3
Packing group:	III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
 B11935630

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM745 Galaxy Blue (Xirallic)
Product code	AM745
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
1330-20-7	xylene	20 - 30%	✓	
1344-28-1	Aluminum oxide (Al ₂ O ₃)	5 - 10%		
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
7631-86-9	amorphous Silica	0.3 - 1.0%		
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
18282-10-5	Tin oxide	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	TWA	217 mg/m ³
Aluminum oxide (Al ₂ O ₃)	TWA	2 mg/m ³
	TWA	150 ppm
n-butyl acetate	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
ethylbenzene	STEL	125 ppm
	STEL	543 mg/m ³
amorphous Silica	TWA	434 mg/m ³
	TWA	10 mg/m ³
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
methyl methacrylate	STEL	416 mg/m ³
	TWA	208 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
Tin oxide	STEL	0.2 mg/m ³
	TWA	0.1 mg/m ³
ethanediol	CEIL	127 mg/m ³
	CEIL	50 ppm
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: blue Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	135 °C
Flash point	24 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	10.3 %
Lower explosion limit	1 %
Vapour pressure	4.8 hPa
Solubility(ies)	partly miscible
Vapour density	no data available
Density	1.12 g/cm ³ DIN 53217/ISO 2811

Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	27 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
Tin oxide	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)



Proper shipping name: PAINT
UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11940334

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM755 Green FX (Xirallic)
Product code	AM755
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
1330-20-7	xylene	20 - 30%	✓	
13463-67-7	Titanium dioxide	10 - 20%		
1344-28-1	Aluminum oxide (Al ₂ O ₃)	5 - 10%		
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
7631-86-9	amorphous Silica	0.3 - 1.0%		
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
18282-10-5	Tin oxide	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	TWA	217 mg/m ³
Titanium dioxide	TWA	10 mg/m ³
	TWA	2 mg/m ³
Aluminum oxide (Al ₂ O ₃)	TWA	2 mg/m ³
	TWA	150 ppm
n-butyl acetate	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
	TWA	100 ppm
ethylbenzene	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	10 mg/m ³
amorphous Silica	TWA	10 mg/m ³
	TWA	50 ppm
methyl methacrylate	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
	TWA	100 ppm
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
ethanediol	CEIL	127 mg/m ³
	CEIL	50 ppm
Tin oxide	STEL	0.2 mg/m ³
	TWA	0.1 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: green Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	135 °C
Flash point	29 °C DIN 53213/ISO 1523
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	10.3 %
Lower explosion limit	1 %
Vapour pressure	4.8 hPa

Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.13 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	27 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
Titanium dioxide	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
Tin oxide	Category 3
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

**ICAO/IATA (Air transport)**

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B12155859

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM756 Blue Green Pearl
Product code	AM756
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS Hazardous
1330-20-7	xylene	20 - 30%	✓
12001-26-2	Mica	10 - 20%	
123-86-4	n-butyl acetate	5 - 10%	✓
100-41-4	ethylbenzene	5 - 10%	✓
13463-67-7	Titanium dioxide	5 - 10%	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓
628-63-7	pentyl acetate	0.3 - 1.0%	✓
107-21-1	ethanediol	0.1 - 0.3%	✓
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓
108-88-3	toluene	0.1 - 0.3%	✓

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	STEL	217 mg/m ³
Mica	TWA	3 mg/m ³
	STEL	150 ppm
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
Titanium dioxide	TWA	10 mg/m ³
	STEL	50 ppm
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
pentyl acetate	TWA	208 mg/m ³
	TWA	100 ppm
ethanediol	TWA	532 mg/m ³
	CEIL	127 mg/m ³
toluene	CEIL	50 ppm
	TWA	50 ppm

Chemical Name

TWA 188 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: blue Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	135 °C
Flash point	28 °C

DIN 53213/ISO 1523

Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.5 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.13 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss

of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
Titanium dioxide	Category 3
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433	
Proper shipping name:	PAINT
UN number:	1263
Hazard Class:	3
Packing group:	III



Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-29
B11935472

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM765 Sunbeam Gold FX (Xirallic)
Product code	AM765
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
1330-20-7	xylene	20 - 30%	✓	
1344-28-1	Aluminum oxide (Al ₂ O ₃)	10 - 20%		
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
13463-67-7	Titanium dioxide	5 - 10%		
7631-86-9	amorphous Silica	0.3 - 1.0%		
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
18282-10-5	Tin oxide	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	TWA	217 mg/m ³
Aluminum oxide (Al ₂ O ₃)	TWA	2 mg/m ³
	TWA	150 ppm
n-butyl acetate	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
Titanium dioxide	TWA	434 mg/m ³
	TWA	10 mg/m ³
amorphous Silica	TWA	10 mg/m ³
	TWA	50 ppm
methyl methacrylate	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
	TWA	100 ppm
pentyl acetate	TWA	532 mg/m ³
	CEIL	127 mg/m ³
ethanediol	CEIL	50 ppm
	STEL	0.2 mg/m ³
Tin oxide	TWA	0.1 mg/m ³
	TWA	50 ppm
toluene	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: gold Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	135 °C
Flash point	28 °C DIN 53213/ISO 1523
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	10.3 %
Lower explosion limit	1 %
Vapour pressure	4.8 hPa

Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.13 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	27 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
Titanium dioxide	Category 3
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
Tin oxide	Category 3
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

**ICAO/IATA (Air transport)**

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11939982

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM775 Fireside Copper FX (Xirallic)
Product code	AM775
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS Hazardous	Haz- ardous
1330-20-7	xylene	20 - 30%	✓	
1344-28-1	Aluminum oxide (Al ₂ O ₃)	10 - 20%		
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
1309-37-1	Iron oxide	5 - 10%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	TWA	217 mg/m ³
Aluminum oxide (Al ₂ O ₃)	TWA	2 mg/m ³
	TWA	150 ppm
n-butyl acetate	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
Iron oxide	TWA	434 mg/m ³
	TWA	5 mg/m ³
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
ethanediol	CEIL	127 mg/m ³
	CEIL	50 ppm
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: copper Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	135 °C
Flash point	24 °C
Evapouration rate	Slower than Ether
Flammability	
Upper explosion limit	10.3 %
Lower explosion limit	1 %
Vapour pressure	4.6 hPa
Solubility(ies)	partly miscible
Vapour density	no data available
Density	1.15 g/cm ³ DIN 53217/ISO 2811

Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	27 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
Iron oxide	Category 2
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
Iron oxide	Category 3
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)



Proper shipping name: PAINT
UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11939990

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM835 Special Silver
Product code	AM835
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. IF exposed or concerned: Get medical advice/ attention.

If eye irritation persists: Get medical advice/ attention.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
1330-20-7	xylene	20 - 30%	✓	
141-78-6	ethyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
108-21-4	isopropyl acetate	5 - 10%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	3 - 5%	✓	
7429-90-5	aluminium powder (stabilized)	1 - 3%	✓	
78-83-1	iso-butanol	1 - 3%	✓	
628-63-7	pentyl acetate	1 - 3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet Water spray

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits Workplace Exposure Standards (WESs) 2002

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
xylene	TWA	713 mg/m ³
	TWA	50 ppm
ethyl acetate	TWA	217 mg/m ³
	TWA	200 ppm
ethylbenzene	TWA	720 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
isopropyl acetate	TWA	434 mg/m ³
	TWA	250 ppm
	STEL	310 ppm
	STEL	1,290 mg/m ³
aluminium powder (stabilized)	TWA	1,040 mg/m ³
	TWA	5 mg/m ³
iso-butanol	TWA	50 ppm
	TWA	152 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: aluminum Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	77 °C	
Flash point	19 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	16.3 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.93 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

The product contains ingredients which, under certain conditions, also may release formaldehyde. If necessary, the precise concentration has to be determined. When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
ethyl acetate	Category 3
ethylbenzene	Category 3
iso-butanol	Category 2

pentyl acetate	Category 3
toluene	Category 2

Serious eye damage/eye irritation

xylene	Category 2A
ethyl acetate	Category 2A
ethylbenzene	Category 2B
isopropyl acetate	Category 2A
2-methoxy-1-methylethyl acetate	Category 2A
iso-butanol	Category 1
pentyl acetate	Category 2A
toluene	Category 2B

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene	Category 2
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Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
xylene	Category 3
ethylbenzene	Category 2
toluene	Category 2

% of unknown composition 1.4%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Packing group: II
Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II

**Matters needing attention for transportation**

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B12773459

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM950 Special Red
Product code	AM950
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful in contact with skin. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
IF exposed or concerned: Get medical advice/ attention.
If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
1330-20-7	xylene	30 - 40%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
628-63-7	pentyl acetate	1 - 3%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m3
	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m3
ethylbenzene	TWA	713 mg/m3
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
pentyl acetate	TWA	434 mg/m3
	TWA	100 ppm
methyl methacrylate	TWA	532 mg/m3
	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m3
toluene	TWA	208 mg/m3
	TWA	50 ppm
	TWA	188 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: red Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	24 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	6.4 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.96 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	360 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	>22 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

xylene	Category 4
2-hydroxyethyl acrylate	Category 2

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
pentyl acetate	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 1.8%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B13074386

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM960 Special Fine Bright Aluminium
Product code	AM960
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
 IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
7429-90-5	aluminium powder (stabilized)	20 - 30%	✓	
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
64742-82-1	naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	5 - 10%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist,

call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
aluminium powder (stabilized)	TWA	5 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
1,2,4-trimethylbenzene	TWA	434 mg/m ³
	TWA	25 ppm
	TWA	123 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³

 Chemical Name

pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
ethanediol	CEIL	127 mg/m ³
	CEIL	50 ppm
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: aluminum Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	35 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	6.6 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.1 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	201 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	49 s	ISO 2431-1993 6 mm

10. Stability and reactivity**Stability**

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
1,2,4-trimethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Chronic aquatic toxicity

aluminium powder (stabilized)	Category 4
naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
pentyl acetate	Category 4

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662

HSNO Classification

Acute inhalation toxicity Category 6.1E

Skin corrosion/irritation Category 6.3A

Skin sensitisation Category 6.5B

Toxicity for reproduction Category 6.8B

Flammable liquids Category 3.1C

Acute aquatic toxicity Category 9.1C

Chronic aquatic toxicity Category 9.1C

16. Other information

Revision Note

Version	Changes
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2.0	9
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Version	Changes
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Revision Date:	2015-01-13
	B12861638

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM965 Special Coarse Aluminium
Product code	AM965
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
 IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
7429-90-5	aluminium powder (stabilized)	20 - 30%	✓	
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
64742-82-1	naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	3 - 5%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist,

call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
aluminium powder (stabilized)	TWA	5 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³

 Chemical Name

pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
ethanediol	CEIL	127 mg/m ³
	CEIL	50 ppm
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: aluminum Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	30 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	5.5 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.13 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	201 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	23 s	ISO 2431-1993 6 mm

10. Stability and reactivity**Stability**

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
1,2,4-trimethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
mesitylene	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

Chronic aquatic toxicity

aluminium powder (stabilized)	Category 4
naphtha (petroleum), hydrodesulfurized heavy (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
pentyl acetate	Category 4

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9



Version	Changes
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Revision Date:	2015-01-13
	B12861610

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM967 New Ruby Red
Product code	AM967
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Carcinogenicity	Category 6.7B
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Flammable liquid and vapour. Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. Suspected of causing cancer. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
 Collect spillage.
 IF exposed or concerned: Get medical advice/ attention.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Immediately call a POISON CENTER or doctor/ physician.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: formaldehyde. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	40 - 50%	✓	
71-36-3	n-butanol	5 - 10%	✓	
112-07-2	2-butoxyethyl acetate	3 - 5%	✓	
138-86-3	dipentene	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
78-83-1	iso-butanol	1 - 3%	✓	
64742-82-1	naphtha, (petroleum), hydrodesulfurized heavy (white spirit) (<0,1% benzene)	1 - 3%	✓	
64-17-5	ethanol	0.1 - 0.3%	✓	
50-00-0	formaldehyde	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
n-butanol	CEIL	150 mg/m ³
	CEIL	50 ppm
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
iso-butanol	TWA	434 mg/m ³
	TWA	50 ppm
ethanol	TWA	152 mg/m ³
	TWA	1,000 ppm
formaldehyde	TWA	1,880 mg/m ³
	CEIL	1.2 mg/m ³
	CEIL	1 ppm

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
n-butanol	Viton (R) ®	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min
2-butoxyethyl acetate	Viton (R) ®	0.7 mm	480 m
	Nitrile rubber	0.33 mm	480 m
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: red Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	110 °C
Flash point	24 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	11.2 %
Lower explosion limit	1.2 %
Vapour pressure	9.8 hPa
Solubility(ies)	moderate
Vapour density	no data available
Density	0.93 g/cm ³
Partition coefficient: n-octanol/water	no data available

DIN 53217/ISO 2811

Ignition temperature	201 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<100 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

The product contains ingredients which, under certain conditions, also may release formaldehyde. If necessary, the precise concentration has to be determined. When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
n-butanol	Category 2
dipentene	Category 2
xylene	Category 2
ethylbenzene	Category 3
iso-butanol	Category 2
naphtha, (petroleum), hydrodesulfurized heavy (white spirit) (<0,1% benzene)	Category 3
formaldehyde	Category 1

Serious eye damage/eye irritation

n-butanol	Category 1
dipentene	Category 2A
xylene	Category 2A
ethylbenzene	Category 2B
iso-butanol	Category 1
ethanol	Category 2A
formaldehyde	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

dipentene	Category 1
formaldehyde	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

formaldehyde	Category 1
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Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbition, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
2-butoxyethyl acetate	Category 3
dipentene	Category 1
xylene	Category 3
ethylbenzene	Category 2
naphtha, (petroleum), hydrodesulfurized heavy (white spirit) (<0,1% benzene)	Category 2
formaldehyde	Category 1

Chronic aquatic toxicity

dipentene	Category 1
naphtha, (petroleum), hydrodesulfurized heavy (white spirit) (<0,1% benzene)	Category 2

% of unknown composition 2.9%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: yes [dipentene]
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002669
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
Skin sensitisation	Category 6.5B
Carcinogenicity	Category 6.7B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

16. Other information

Revision Note

Version	Changes
1.1	9

Revision Date: 2015-01-29
B12974067

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AM979 Orange Aluminium
Product code	AM979
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate; 2-hydroxyethyl acrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
1330-20-7	xylene	20 - 30%	✓	
7429-90-5	aluminium powder (stabilized)	10 - 20%	✓	
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	10 - 20%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
1309-37-1	Iron oxide	5 - 10%	✓	
7631-86-9	amorphous Silica	0.3 - 1.0%		
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
107-21-1	ethanediol	0.1 - 0.3%	✓	
818-61-1	2-hydroxyethyl acrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet Water spray

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	TWA	217 mg/m ³
aluminium powder (stabilized)	TWA	5 mg/m ³
	TWA	150 ppm
n-butyl acetate	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
Iron oxide	TWA	434 mg/m ³
	TWA	5 mg/m ³
amorphous Silica	TWA	10 mg/m ³
	TWA	50 ppm
methyl methacrylate	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
	TWA	100 ppm
pentyl acetate	TWA	532 mg/m ³
	CEIL	127 mg/m ³
ethanediol	CEIL	50 ppm
	TWA	50 ppm
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: aluminum Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	30 °C	DIN 53213/ISO 1523
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.0 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.09 g/cm ³	DIN 53217/ISO 2811

Partition coefficient: n-octanol/water	no data available	
Ignition temperature	355 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	>41 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 4
ethylbenzene	Category 4
2-hydroxyethyl acrylate	Category 2
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 3
Iron oxide	Category 2
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
pentyl acetate	Category 3
2-hydroxyethyl acrylate	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1
2-hydroxyethyl acrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
Iron oxide	Category 3
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
2-hydroxyethyl acrylate	Category 1
toluene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT



UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662
HSNO Classification
Acute inhalation toxicity Category 6.1E
Skin corrosion/irritation Category 6.3A
Skin sensitisation Category 6.5B
Toxicity for reproduction Category 6.8B
Flammable liquids Category 3.1C
Acute aquatic toxicity Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B12820538

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AU170S Polyurethane Binder
Product code	AU170S
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling



Hazard symbols

Signal word

Warning

Hazard statements

Flammable liquid and vapour.
May be harmful if inhaled.
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
Suspected of damaging fertility or the unborn child.
Harmful to aquatic life.
Harmful to aquatic life with long lasting effects.

Precautionary statements

Avoid release to the environment.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Obtain special instructions before use.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Avoid breathing dust/ vapours/ spray.
 IF exposed or concerned: Get medical advice/ attention.
 If eye irritation persists: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains epoxy constituents. See information supplied by the manufacturer. Contains: methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate; 2,3-epoxypropyl neodecanoate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
1330-20-7	xylene	20 - 30%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	1 - 3%	✓	
No information available.	A mixture of: α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene); α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0.3 - 1.0%	✓	
26761-45-5	2,3-epoxypropyl neodecanoate	0.3 - 1.0%	✓	
107-98-2	1-methoxy-2-propanol	0.3 - 1.0%	✓	
123-86-4	n-butyl acetate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
xylene	TWA	50 ppm
ethylbenzene	TWA	217 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
1,2,4-trimethylbenzene	TWA	434 mg/m ³
	TWA	25 ppm
mesitylene	TWA	123 mg/m ³
	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
1-methoxy-2-propanol	TWA	123 mg/m ³
	TWA	100 ppm
	STEL	150 ppm
	STEL	553 mg/m ³

Chemical Name		
	TWA	369 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
2-butoxyethyl acetate	Viton (R) [®]	0.7 mm	480 m
	Nitrile rubber	0.33 mm	480 m
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	36 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	7 %	
Lower explosion limit	1 %	
Vapour pressure	3.3 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.97 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	34 s	ISO 2431-1993 6 mm

10. Stability and reactivity**Stability**

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
1,2,4-trimethylbenzene	Category 4
2-butoxyethyl acetate	Category 4
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
ethylbenzene	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
mesitylene	Category 3
1-methoxy-2-propanol	Category 3
n-butyl acetate	Category 3
toluene	Category 2

Serious eye damage/eye irritation

xylene	Category 2A
2-methoxy-1-methylethyl acetate	Category 2A
ethylbenzene	Category 2B
1,2,4-trimethylbenzene	Category 2A
mesitylene	Category 2A
1-methoxy-2-propanol	Category 2B
toluene	Category 2B

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate

A mixture of: α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene); α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene); α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene)

methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

2,3-epoxypropyl neodecanoate

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be a skin sensitiser and an irritant. Low molecular epoxy constituents are irritating to eyes, mucous membranes and skin. Repeated skin contact may lead to irritation and to sensitization, possibly with cross-sensitization to other epoxies. Avoid skin and eye contact. Avoid inhalation of vapour or mist.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
ethylbenzene	Category 2
1,2,4-trimethylbenzene	Category 2
2-butoxyethyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
mesitylene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
2,3-epoxypropyl neodecanoate	Category 2
n-butyl acetate	Category 3
toluene	Category 2

Chronic aquatic toxicity

1,2,4-trimethylbenzene

solvent naphtha (petroleum), light arom. (<0,1% benzene)

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate

A mixture of: α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene); α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene)

mesitylene

methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

2,3-epoxypropyl neodecanoate

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
	B11938018

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End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AU175 Flattening Binder
Product code	AU175
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Harmful to aquatic life. Harmful to aquatic life with long lasting effects. May cause an allergic skin reaction. Causes mild skin irritation.
Precautionary statements	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Store in a well-ventilated place. Keep cool. Avoid release to the environment. Avoid breathing dust/ vapours/ spray. Wear protective gloves/protective clothing/eye protection/face protection. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse.

Other hazards which do not result in classification

Contains epoxy constituents. See information supplied by the manufacturer. Contains: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate; 2,3-epoxypropyl neodecanoate; methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
110-19-0	isobutyl acetate	20 - 30%	✓	
7631-86-9	amorphous Silica	10 - 20%		
123-86-4	n-butyl acetate	10 - 20%	✓	
95-63-6	1,2,4-trimethylbenzene	3 - 5%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	3 - 5%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) seba- cate	0.3 - 1.0%	✓	
26761-45-5	2,3-epoxypropyl neodecanoate	0.3 - 1.0%	✓	
107-98-2	1-methoxy-2-propanol	0.3 - 1.0%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl se- bacate	0.1 - 0.3%	✓	
34590-94-8	(2-methoxymethylethoxy)propanol	0.1 - 0.3%		
78-83-1	iso-butanol	0.1 - 0.3%	✓	
1330-20-7	xylene	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
isobutyl acetate	TWA	150 ppm
	TWA	713 mg/m ³
amorphous Silica	TWA	10 mg/m ³
	TWA	150 ppm
n-butyl acetate	STEL	200 ppm
	STEL	950 mg/m ³
1,2,4-trimethylbenzene	TWA	713 mg/m ³
	TWA	25 ppm
mesitylene	TWA	123 mg/m ³
	TWA	25 ppm
1-methoxy-2-propanol	TWA	25 ppm
	TWA	123 mg/m ³
cumene	TWA	123 mg/m ³
	TWA	100 ppm
	STEL	150 ppm
	STEL	553 mg/m ³
	TWA	369 mg/m ³
	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³

 Chemical Name

(2-methoxymethylethoxy)propanol	TWA	100 ppm
	STEL	150 ppm
	STEL	909 mg/m ³
	TWA	606 mg/m ³
iso-butanol	TWA	50 ppm
	TWA	152 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: milky Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	117 °C	
Flash point	27 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.5 %	
Lower explosion limit	0.9 %	
Vapour pressure	7.7 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.06 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	401 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	43 s	ISO 2431-1993 6 mm

10. Stability and reactivity**Stability**

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

isobutyl acetate	Category 2
n-butyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
mesitylene	Category 3
1-methoxy-2-propanol	Category 3
(2-methoxymethylethoxy)propanol	Category 3
iso-butanol	Category 2
xylene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
2,3-epoxypropyl neodecanoate	Category 1
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be a skin sensitizer and an irritant. Low molecular epoxy constituents are irritating to eyes, mucous membranes and skin. Repeated skin contact may lead to irritation and to sensitization, possibly with cross-sensitization to other epoxies. Avoid skin and eye contact. Avoid inhalation of vapour or mist.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

isobutyl acetate	Category 3
n-butyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
2,3-epoxypropyl neodecanoate	Category 2
cumene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
xylene	Category 3

Chronic aquatic toxicity

1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
2,3-epoxypropyl neodecanoate	Category 2
cumene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code HSR002662
 HSNO Classification
 Skin corrosion/irritation Category 6.3B
 Skin sensitisation Category 6.5B
 Flammable liquids Category 3.1C
 Acute aquatic toxicity Category 9.1C
 Chronic aquatic toxicity Category 9.1C

16. Other information

Revision Note

Version	Changes
1.1	2

Revision Date: 2015-01-29
 B12834439



The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AU270 Polyurethane Activator
Product code	AU270
Intended use of the substance/preparation	Hardener for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. In case of inadequate ventilation wear respiratory protection. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use.

Wear protective gloves/protective clothing/eye protection/face protection.
 Avoid breathing dust/ vapours/ spray.
 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.
 IF exposed or concerned: Get medical advice/ attention.
 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains isocyanates. See information supplied by the manufacturer.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
28182-81-2	Hexamethylene diisocyanate, oligomers	50 - 60%	✓	
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. Skin contact may cause skin sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts), concentrated (d : 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts), water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in non-sealed container. Once this stage is reached, close container and dispose according to local regulations (see section 13).

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
Hexamethylene diisocyanate, oligomers	STEL	0.07 mg/m ³
	TWA	0.02 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
1,2,4-trimethylbenzene	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	25 ppm
mesitylene	TWA	123 mg/m ³
	TWA	25 ppm
	TWA	25 ppm
toluene	TWA	123 mg/m ³
	TWA	123 mg/m ³
	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. Air-fed protective respiratory equipment must be worn by spray operator even when good ventilation is provided.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

For spraying: air-fed respirator. For operations other than spraying: in well ventilated areas, air-fed respirators could be replaced by a combination of charcoal filter and particulate filter mask.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) ®	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	104 °C
Flash point	33 °C DIN 53213/ISO 1523
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	10.3 %
Lower explosion limit	1 %
Vapour pressure	4.6 hPa

Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents and strongly acid or alkaline materials. Amines and alcohols cause exothermic reactions. Mixture reacts slowly with water resulting in evolution of CO₂. Evolution of CO₂ in closed containers causes overpressure and produces a risk of bursting.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen as well as hydrogen cyanide, amines, alcohols and water.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

Hexamethylene diisocyanate, oligomers	Category 4
xylene	Category 4
ethylbenzene	Category 4
1,2,4-trimethylbenzene	Category 4
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 3
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Hexamethylene diisocyanate, oligomers Category 1

Skin sensitisation

Hexamethylene diisocyanate, oligomers Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Based on the properties of the isocyanate components and considering toxicological data on similar products, the following applies: This formulation may cause acute irritation and/or sensitization of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Components of the product may be absorbed into the body through the skin.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.1	9

Revision Date: 2015-01-29
B11934561

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AU370 Polyurethane Thinner
Product code	AU370
Intended use of the substance/preparation	Thinner for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. May be harmful in contact with skin. May be harmful if inhaled. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Obtain special instructions before use.

Wear protective gloves/protective clothing/eye protection/face protection.
IF exposed or concerned: Get medical advice/ attention.
If eye irritation persists: Get medical advice/ attention.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
1330-20-7	xylene	30 - 40%	✓	
141-78-6	ethyl acetate	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
628-63-7	pentyl acetate	5 - 10%	✓	
624-41-9	2-methylbutyl acetate	3 - 5%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 0.0 - 0.1%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethyl acetate	TWA	200 ppm
	TWA	720 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
pentyl acetate	TWA	434 mg/m ³
	TWA	100 ppm
	TWA	532 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) [®]	0.7 mm	480 min

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) ^(R)	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Solvent Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	77 °C	
Flash point	13 °C	DIN 53213/ISO 1523
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	11 %	
Lower explosion limit	1 %	
Vapour pressure	34.0 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.88 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	360 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

xylene Category 4

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
toluene	Category 5

% of unknown composition 3.6 %

Skin corrosion/irritation

xylene	Category 2
ethyl acetate	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 3
pentyl acetate	Category 3
2-methylbutyl acetate	Category 3
toluene	Category 2

Serious eye damage/eye irritation

xylene	Category 2A
ethyl acetate	Category 2A
ethylbenzene	Category 2B
pentyl acetate	Category 2A
toluene	Category 2B

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 3.6%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C



16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B11934314

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AZ9032 Non Sanding Converter
Product code	AZ9032
Intended use of the substance/preparation	Intermediate
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are ""not classified"", ""cannot classified"" and ""not applicable"" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>May be harmful if inhaled. Highly flammable liquid and vapour. Harmful to aquatic life. Harmful to aquatic life with long lasting effects. Causes skin irritation. Causes serious eye irritation.</p>
Precautionary statements	<p>Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. If eye irritation persists: Get medical advice/ attention.</p>

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	10 - 20%	✓	
141-78-6	ethyl acetate	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
95-63-6	1,2,4-trimethylbenzene	5 - 10%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
108-10-1	4-methylpentan-2-one	5 - 10%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
108-67-8	mesitylene	1 - 3%	✓	
98-82-8	cumene	0.3 - 1.0%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
ethyl acetate	TWA	200 ppm
xylene	TWA	720 mg/m ³
1,2,4-trimethylbenzene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m ³
4-methylpentan-2-one	TWA	25 ppm
ethylbenzene	TWA	123 mg/m ³
mesitylene	TWA	150 ppm
cumene	STEL	200 ppm
ethylbenzene	STEL	950 mg/m ³
4-methylpentan-2-one	TWA	713 mg/m ³
ethylbenzene	TWA	50 ppm
mesitylene	STEL	75 ppm
cumene	STEL	307 mg/m ³
ethylbenzene	TWA	205 mg/m ³
mesitylene	TWA	100 ppm
cumene	STEL	125 ppm
ethylbenzene	STEL	543 mg/m ³
mesitylene	TWA	434 mg/m ³
cumene	TWA	25 ppm
ethylbenzene	TWA	25 ppm
mesitylene	TWA	123 mg/m ³
cumene	TWA	123 mg/m ³
ethylbenzene	TWA	25 ppm
mesitylene	STEL	75 ppm
cumene	STEL	375 mg/m ³
ethylbenzene	TWA	125 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) ®	0.7 mm	30 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) ®	0.7 mm	480 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	77 °C	
Flash point	9 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	11 %	
Lower explosion limit	0.9 %	
Vapour pressure	24.5 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.91 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794

Decomposition temperature	<20 s	ISO 2431-1993 6 mm
Viscosity (23 °C)		

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
1,2,4-trimethylbenzene	Category 4
4-methylpentan-2-one	Category 4
ethylbenzene	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
ethyl acetate	Category 3

xylene	Category 2
1,2,4-trimethylbenzene	Category 2
n-butyl acetate	Category 3
4-methylpentan-2-one	Category 3
ethylbenzene	Category 3
mesitylene	Category 3

Serious eye damage/eye irritation

ethyl acetate	Category 2A
xylene	Category 2A
1,2,4-trimethylbenzene	Category 2A
4-methylpentan-2-one	Category 2A
ethylbenzene	Category 2B
mesitylene	Category 2A
2-methoxy-1-methylethyl acetate	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Packing group: II
 Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: II
 Marine Pollutant: no
 EmS: F-E,S-E

**ICAO/IATA (Air transport)**

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
	B12091129

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	AZ9100 Performance Agent
Product code	AZ9100
Intended use of the substance/preparation	Intermediate
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute oral toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1D
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if swallowed. Harmful if inhaled. Causes mild skin irritation. Causes serious eye irritation.
Precautionary statements	Wear eye protection/ face protection. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid breathing dust/ vapours/ spray. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. If eye irritation persists: Get medical advice/ attention. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
110-12-3	5-methylhexan-2-one	60 - 70%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
108-83-8	2,6-dimethylheptan-4-one	5 - 10%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	1 - 3%	✓	
8052-41-3	stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	0.3 - 1.0%	✓	

Non-regulated ingredients 1 - 5%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
5-methylhexan-2-one	TWA	50 ppm
		234 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³

 Chemical Name

	TWA	713 mg/m ³
2,6-dimethylheptan-4-one	TWA	25 ppm
	TWA	145 mg/m ³
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	TWA	100 ppm
	TWA	525 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	144 °C	
Flash point	35 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.8 %	
Vapour pressure	6.7 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.83 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

5-methylhexan-2-one	Category 5
2,6-dimethylheptan-4-one	Category 4

Acute dermal toxicity

Not classified according to GHS criteria

Acute inhalation toxicity

5-methylhexan-2-one Category 4

% of unknown composition 0 %

Skin corrosion/irritation

5-methylhexan-2-one	Category 3
n-butyl acetate	Category 3
2,6-dimethylheptan-4-one	Category 3
stoddart solvent; low boiling point naphtha - unspecified (<0,1% benzene)	Category 2

Serious eye damage/eye irritation

5-methylhexan-2-one	Category 2A
2,6-dimethylheptan-4-one	Category 2A
2-methoxy-1-methylethyl acetate	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbition, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Packing group: III
Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute oral toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1D
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Flammable liquids	Category 3.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B12786820

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	NON SANDING PLASTIC ADDITIVE AZ9600
Product code	AZ9600
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-15

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1D
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful in contact with skin. Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF exposed or concerned: Get medical advice/ attention.
If eye irritation persists: Get medical advice/ attention.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
1330-20-7	xylene	50 - 60%	✓	
110-12-3	5-methylhexan-2-one	20 - 30%	✓	
100-41-4	ethylbenzene	10 - 20%	✓	
108-90-7	chlorobenzene	0.3 - 1.0%	✓	
108-88-3	toluene	0.3 - 1.0%	✓	

Non-regulated ingredients 5 - 10%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Chemical Name

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name

xylene	TWA	50 ppm
5-methylhexan-2-one	TWA	217 mg/m ³
ethylbenzene	TWA	50 ppm
chlorobenzene	TWA	234 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
toluene	STEL	543 mg/m ³
	TWA	434 mg/m ³
chlorobenzene	TWA	10 ppm
toluene	TWA	46 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: neutral Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	24 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	8.2 %	
Lower explosion limit	1 %	
Vapour pressure	7.1 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.87 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	425 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

xylene Category 4

Acute inhalation toxicity

xylene	Category 4
5-methylhexan-2-one	Category 4
ethylbenzene	Category 4
chlorobenzene	Category 4
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
5-methylhexan-2-one	Category 3
ethylbenzene	Category 3
chlorobenzene	Category 2
toluene	Category 2

Serious eye damage/eye irritation

xylene	Category 2A
5-methylhexan-2-one	Category 2A
ethylbenzene	Category 2B
chlorobenzene	Category 2A
toluene	Category 2B

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
ethylbenzene	Category 2
chlorobenzene	Category 1
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Acute dermal toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1D
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2015-01-13
B13117525	



The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	BE151 C610 Economy Basecoat Binder
Product code	BE151
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. IF exposed or concerned: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention.

Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
123-86-4	n-butyl acetate	40 - 50%	✓	
1330-20-7	xylene	20 - 30%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	3 - 5%	✓	
624-41-9	2-methylbutyl acetate	1 - 3%	✓	
78-83-1	iso-butanol	1 - 3%	✓	
628-63-7	pentyl acetate	1 - 3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 10 - 20%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
iso-butanol	TWA	50 ppm
	TWA	152 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: milky Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	31 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	10.0 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.91 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	81 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

The product contains ingredients which, under certain conditions, also may release formaldehyde. If necessary, the precise concentration has to be determined. When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
toluene	Category 5

% of unknown composition 1.2 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
ethylbenzene	Category 3
2-methylbutyl acetate	Category 3
iso-butanol	Category 2
pentyl acetate	Category 3
toluene	Category 2

Serious eye damage/eye irritation

xylene	Category 2A
ethylbenzene	Category 2B
2-methoxy-1-methylethyl acetate	Category 2A
iso-butanol	Category 1
pentyl acetate	Category 2A
toluene	Category 2B

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
xylene	Category 3
ethylbenzene	Category 2
toluene	Category 2

% of unknown composition 2.9%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-29
 B11940061



The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	BK110 C510 2K Economy Binder
Product code	BK110
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
 IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
123-86-4	n-butyl acetate	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
95-63-6	1,2,4-trimethylbenzene	3 - 5%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	3 - 5%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
No information available.	pentyl acetate mixture of isomers	3 - 5%	✓	
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	1 - 3%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	1 - 3%	✓	
No information available.	A mixture of: α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene); α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0.3 - 1.0%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
xylene	TWA	713 mg/m ³
	TWA	50 ppm
1,2,4-trimethylbenzene	TWA	217 mg/m ³
	TWA	25 ppm
ethylbenzene	TWA	123 mg/m ³
	STEL	100 ppm
	STEL	125 ppm
mesitylene	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	25 ppm
cumene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
	TWA	123 mg/m ³
	TWA	25 ppm
	STEL	75 ppm

 Chemical Name

	STEL	375 mg/m ³
	TWA	125 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	24 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	4.6 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.99 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	21 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
1,2,4-trimethylbenzene	Category 4
ethylbenzene	Category 4
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
ethylbenzene	Category 3
pentyl acetate mixture of isomers	Category 3
mesitylene	Category 3
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate

A mixture of: α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene); α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene); α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene); methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate**Germ cell mutagenicity**

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
ethylbenzene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
mesitylene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
cumene	Category 2
toluene	Category 2

Chronic aquatic toxicity

1,2,4-trimethylbenzene
 solvent naphtha (petroleum), light arom. (<0,1% benzene)
 bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate
 A mixture of: α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene); α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene);
 mesitylene
 methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate
 cumene

% of unknown composition 3.8%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT
UN number: 1263
Hazard Class: 3
Packing group: III
Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT
UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: yes [solvent naphtha (petroleum), light arom. (<0,1% benzene)]
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT
UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code HSR002662
HSNO Classification
Acute inhalation toxicity Category 6.1E
Skin corrosion/irritation Category 6.3A
Skin sensitisation Category 6.5B
Toxicity for reproduction Category 6.8B
Flammable liquids Category 3.1C
Acute aquatic toxicity Category 9.1C
Chronic aquatic toxicity Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-29
B11934673

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of



its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	BK220 Anti - Chip Activator
Product code	BK220
Intended use of the substance/preparation	Hardener for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. In case of inadequate ventilation wear respiratory protection. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use.

Wear protective gloves/protective clothing/eye protection/face protection.
 Avoid breathing dust/ vapours/ spray.
 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.
 IF exposed or concerned: Get medical advice/ attention.
 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains isocyanates. See information supplied by the manufacturer. Contains: hexamethylene-di-isocyanate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS Hazardous
28182-81-2	Hexamethylene diisocyanate, oligomers	50 - 60%	✓
1330-20-7	xylene	20 - 30%	✓
123-86-4	n-butyl acetate	5 - 10%	✓
100-41-4	ethylbenzene	5 - 10%	✓
822-06-0	hexamethylene-di-isocyanate	0.1 - 0.3%	✓
108-88-3	toluene	0.1 - 0.3%	✓

Non-regulated ingredients 0.0 - 0.1%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing,

cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. Skin contact may cause skin sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts), concentrated (d : 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts), water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in non-sealed container. Once this stage is reached, close container and dispose according to local regulations (see section 13).

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
Hexamethylene diisocyanate, oligomers	STEL	0.07 mg/m ³
	TWA	0.02 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
hexamethylene-di-isocyanate	STEL	543 mg/m ³
	TWA	434 mg/m ³
	STEL	0.07 mg/m ³
toluene	TWA	0.02 mg/m ³
	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. Air-fed protective respiratory equipment must be worn by spray operator even when good ventilation is provided.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

For spraying: air-fed respirator. For operations other than spraying: in well ventilated areas, air-fed respirators could be replaced by a combination of charcoal filter and particulate filter mask.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	31 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	7 %	
Lower explosion limit	1 %	
Vapour pressure	4.2 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.01 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity**Stability**

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents and strongly acid or alkaline materials. Amines and alcohols cause exothermic reactions. Mixture reacts slowly with water resulting in evolution of CO₂. Evolution of CO₂ in closed containers causes overpressure and produces a risk of bursting.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen as well as hydrogen cyanide, amines, alcohols and water.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

Hexamethylene diisocyanate, oligomers	Category 4
xylene	Category 4
ethylbenzene	Category 4
hexamethylene-di-isocyanate	Category 1
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
hexamethylene-di-isocyanate	Category 1C
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Hexamethylene diisocyanate, oligomers	Category 1
hexamethylene-di-isocyanate	Category 1

Skin sensitisation

Hexamethylene diisocyanate, oligomers	Category 1
hexamethylene-di-isocyanate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene	Category 2
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Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Based on the properties of the isocyanate components and considering toxicological data on similar products, the following applies: This formulation may cause acute irritation and/or sensitization of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Components of the product may be absorbed into the body through the skin.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
hexamethylene-di-isocyanate	Category 3
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
B11934544	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	CC6300 Protective VOC Clear
Product code	CC6300
Intended use of the substance/preparation	
Coating for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes mild skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray.

If eye irritation persists: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate; methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
110-12-3	5-methylhexan-2-one	30 - 40%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	5 - 10%	✓	
95-63-6	1,2,4-trimethylbenzene	3 - 5%	✓	
123-86-4	n-butyl acetate	3 - 5%	✓	
1330-20-7	xylene	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	0.3 - 1.0%	✓	
112-34-5	2-(2-butoxyethoxy)ethanol	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
108-10-1	4-methylpentan-2-one	0.3 - 1.0%	✓	
64-19-7	acetic acid	0.1 - 0.3%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0.1 - 0.3%	✓	
107-98-2	1-methoxy-2-propanol	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Avoid heating above flash point. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
5-methylhexan-2-one	TWA	50 ppm
	TWA	234 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³

 Chemical Name

4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m ³
	TWA	205 mg/m ³
acetic acid	TWA	10 ppm
	STEL	15 ppm
	STEL	37 mg/m ³
	TWA	25 mg/m ³
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³
1-methoxy-2-propanol	TWA	100 ppm
	STEL	150 ppm
	STEL	553 mg/m ³
	TWA	369 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	144 °C	
Flash point	38 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	8.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	3.3 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.96 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

5-methylhexan-2-one	Category 4
1,2,4-trimethylbenzene	Category 4
xylene	Category 4
ethylbenzene	Category 4
4-methylpentan-2-one	Category 4
acetic acid	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

5-methylhexan-2-one	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
n-butyl acetate	Category 3
xylene	Category 2
mesitylene	Category 3
2-(2-butoxyethoxy)ethanol	Category 3
ethylbenzene	Category 3
4-methylpentan-2-one	Category 3
acetic acid	Category 1A
1-methoxy-2-propanol	Category 3

Serious eye damage/eye irritation

5-methylhexan-2-one	Category 2A
1,2,4-trimethylbenzene	Category 2A
xylene	Category 2A
mesitylene	Category 2A
2-(2-butoxyethoxy)ethanol	Category 2A
ethylbenzene	Category 2B
4-methylpentan-2-one	Category 2A

acetic acid	Category 1
1-methoxy-2-propanol	Category 2B

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
n-butyl acetate	Category 3
xylene	Category 3
mesitylene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
ethylbenzene	Category 2
cumene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
cumene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

**Matters needing attention for transportation**

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B12157877

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	CC6400 Standard VOC Clear
Product code	CC6400
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Causes mild skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. If eye irritation persists: Get medical advice/ attention. If skin irritation or rash occurs: Get medical advice/ attention.

Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains epoxy constituents. See information supplied by the manufacturer. Contains: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate; 2,3-epoxypropyl neodecanoate; methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	5 - 10%	✓	
110-12-3	5-methylhexan-2-one	5 - 10%	✓	
628-63-7	pentyl acetate	5 - 10%	✓	
95-63-6	1,2,4-trimethylbenzene	3 - 5%	✓	
112-07-2	2-butoxyethyl acetate	3 - 5%	✓	
624-41-9	2-methylbutyl acetate	3 - 5%	✓	
123-86-4	n-butyl acetate	3 - 5%	✓	
112-34-5	2-(2-butoxyethoxy)ethanol	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
108-10-1	4-methylpentan-2-one	0.3 - 1.0%	✓	
26761-45-5	2,3-epoxypropyl neodecanoate	0.3 - 1.0%	✓	
107-98-2	1-methoxy-2-propanol	0.3 - 1.0%	✓	
100-42-5	styrene	0.3 - 1.0%	✓	
64-19-7	acetic acid	0.1 - 0.3%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0.1 - 0.3%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	0.1 - 0.3%	✓	

Non-regulated ingredients 50 - 60%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Avoid heating above flash point. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
5-methylhexan-2-one	TWA	50 ppm
	TWA	234 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
mesitylene	TWA	25 ppm

 Chemical Name

	TWA	25 ppm
	TWA	123 mg/m3
	TWA	123 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
	TWA	434 mg/m3
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m3
	TWA	205 mg/m3
1-methoxy-2-propanol	TWA	100 ppm
	STEL	150 ppm
	STEL	553 mg/m3
	TWA	369 mg/m3
styrene	TWA	50 ppm
	STEL	100 ppm
	STEL	426 mg/m3
	TWA	213 mg/m3
acetic acid	TWA	10 ppm
	STEL	15 ppm
	STEL	37 mg/m3
	TWA	25 mg/m3
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m3
	TWA	125 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) ®	0.7 mm	30 min
2-butoxyethyl acetate	Viton (R) ®	0.7 mm	480 m
	Nitrile rubber	0.33 mm	480 m
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	144 °C	
Flash point	38 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	8.2 %	
Lower explosion limit	0.9 %	
Vapour pressure	2.6 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.99 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	210 °C	DIN 51794

Decomposition temperature
Viscosity (23 °C)

<20 s

ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 4 %

Skin corrosion/irritation

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
5-methylhexan-2-one	Category 3
pentyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2
2-methylbutyl acetate	Category 3
n-butyl acetate	Category 3
2-(2-butoxyethoxy)ethanol	Category 3
xylene	Category 2
mesitylene	Category 3
ethylbenzene	Category 3
4-methylpentan-2-one	Category 3
1-methoxy-2-propanol	Category 3
styrene	Category 2
acetic acid	Category 1A

Serious eye damage/eye irritation

5-methylhexan-2-one	Category 2A
pentyl acetate	Category 2A
1,2,4-trimethylbenzene	Category 2A
2-(2-butoxyethoxy)ethanol	Category 2A
xylene	Category 2A
mesitylene	Category 2A
ethylbenzene	Category 2B
4-methylpentan-2-one	Category 2A
1-methoxy-2-propanol	Category 2B
styrene	Category 2A
acetic acid	Category 1
2-methoxy-1-methylethyl acetate	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
2,3-epoxypropyl neodecanoate	Category 1
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be a skin sensitiser and an irritant. Low molecular epoxy constituents are irritating to eyes, mucous membranes and skin. Repeated skin contact may lead to irritation and to sensitization, possibly with cross-sensitization to other epoxies. Avoid skin and eye contact. Avoid inhalation of vapour or mist.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
2-butoxyethyl acetate	Category 3
n-butyl acetate	Category 3
xylene	Category 3
mesitylene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
ethylbenzene	Category 2
2,3-epoxypropyl neodecanoate	Category 2
styrene	Category 2
cumene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
pentyl acetate	Category 4
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
2,3-epoxypropyl neodecanoate	Category 2
cumene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

% of unknown composition 4%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
B12783787	



The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	EV301 Multi Use Thinner
Product code	EV301
Intended use of the substance/preparation	Thinner for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute oral toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if swallowed. May be harmful if inhaled. Causes skin irritation. Suspected of damaging fertility or the unborn child. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

IF exposed or concerned: Get medical advice/ attention.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
110-19-0	isobutyl acetate	40 - 50%	✓	
1330-20-7	xylene	30 - 40%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
95-63-6	1,2,4-trimethylbenzene	3 - 5%	✓	
108-67-8	mesitylene	1 - 3%	✓	
123-86-4	n-butyl acetate	0.1 - 0.3%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
78-83-1	iso-butanol	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits Workplace Exposure Standards (WESs) 2002

Chemical Name		
isobutyl acetate	TWA	150 ppm
xylene	TWA	713 mg/m ³
ethylbenzene	TWA	50 ppm
	TWA	217 mg/m ³
1,2,4-trimethylbenzene	TWA	100 ppm
	STEL	125 ppm
mesitylene	STEL	543 mg/m ³
	TWA	434 mg/m ³
n-butyl acetate	TWA	25 ppm
	TWA	123 mg/m ³
cumene	TWA	123 mg/m ³
	TWA	25 ppm
iso-butanol	TWA	25 ppm
	TWA	123 mg/m ³
toluene	TWA	123 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³
	TWA	50 ppm
	TWA	152 mg/m ³
	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) ®	0.7 mm	30 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odour: Characteristic Solvent Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	117 °C	
Flash point	24 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.5 %	
Lower explosion limit	0.9 %	
Vapour pressure	12.6 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.87 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	420 °C	DIN 51794
Decomposition temperature		

Viscosity (23 °C)

| <20 s

ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

isobutyl acetate	Category 5
xylene	Category 5
ethylbenzene	Category 5
1,2,4-trimethylbenzene	Category 5
cumene	Category 5
iso-butanol	Category 5

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
1,2,4-trimethylbenzene	Category 4
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

isobutyl acetate	Category 2
xylene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
ethylbenzene	Category 3
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 3
n-butyl acetate	Category 3
iso-butanol	Category 2
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

isobutyl acetate	Category 3
xylene	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
ethylbenzene	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
n-butyl acetate	Category 3
cumene	Category 2
toluene	Category 2

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute oral toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29
B11937669

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	EV303 2K Thinner
Product code	EV303
Intended use of the substance/preparation	Thinner for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute oral toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Aspiration toxicity	Category 6.1E
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling



Hazard symbols

Signal word

Danger

Hazard statements

Flammable liquid and vapour.
May be harmful if swallowed.
May be harmful if inhaled.
Causes skin irritation.
Causes serious eye irritation.
May be fatal if swallowed and enters airways.
Harmful to aquatic life.
Toxic to aquatic life with long lasting effects.

Precautionary statements

Avoid release to the environment.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Wear protective gloves/protective clothing/eye protection/face protection.
Do NOT induce vomiting.
Collect spillage.
If eye irritation persists: Get medical advice/ attention.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
123-86-4	n-butyl acetate	40 - 50%	✓	
95-63-6	1,2,4-trimethylbenzene	10 - 20%	✓	
112-07-2	2-butoxyethyl acetate	10 - 20%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	10 - 20%	✓	
108-67-8	mesitylene	1 - 3%	✓	
103-65-1	n-propylbenzene	1 - 3%	✓	
98-82-8	cumene	0.3 - 1.0%	✓	
1330-20-7	xylene	0.3 - 1.0%	✓	
111-76-2	2-butoxyethanol	0.0 - 0.1%	✓	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits
Workplace Exposure Standards (WESs) 2002

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
2-butoxyethanol	TWA	25 ppm
	TWA	121 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
2-butoxyethyl acetate	Viton (R) ®	0.7 mm	480 m
	Nitrile rubber	0.33 mm	480 m
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) ®	0.7 mm	30 min
	Nitrile rubber	0.33 mm	30 min
xylene	Viton (R) ®	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min
2-butoxyethanol	Viton (R) ®	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Solvent Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	149 °C	
Flash point	35 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	8.7 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.89 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	375 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

1,2,4-trimethylbenzene	Category 5
2-butoxyethyl acetate	Category 4
cumene	Category 5
xylene	Category 5
2-butoxyethanol	Category 4

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

1,2,4-trimethylbenzene	Category 4
2-butoxyethyl acetate	Category 4
xylene	Category 4
2-butoxyethanol	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
mesitylene	Category 3
n-propylbenzene	Category 3
xylene	Category 2
2-butoxyethanol	Category 2

Serious eye damage/eye irritation

1,2,4-trimethylbenzene	Category 2A
mesitylene	Category 2A
xylene	Category 2A
2-butoxyethanol	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

1,2,4-trimethylbenzene	Category 1
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 1
mesitylene	Category 1
n-propylbenzene	Category 1
cumene	Category 1
xylene	Category 2

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbition, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2
2-butoxyethyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
n-propylbenzene	Category 2
cumene	Category 2
xylene	Category 3

Chronic aquatic toxicity

1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
n-propylbenzene	Category 2
cumene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: yes [solvent naphtha (petroleum), light arom. (<0,1% benzene)]

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute oral toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Aspiration toxicity	Category 6.1E
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1B

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29
B11937758

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	EV305 2K Thinner Fast
Product code	EV305
Intended use of the substance/preparation	Solvent for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8A
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Flammable liquid and vapour. Causes mild skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May damage fertility or the unborn child. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/ vapours/ spray.
 IF exposed or concerned: Get medical advice/ attention.
 If eye irritation persists: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: dibutylbis((1-oxododecyl)oxy)stannane. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
123-86-4	n-butyl acetate	60 - 70%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	10 - 20%	✓	
112-07-2	2-butoxyethyl acetate	3 - 5%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
71-36-3	n-butanol	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
77-58-7	dibutylbis((1-oxododecyl)oxy)stannane	0.3 - 1.0%	✓	

Non-regulated ingredients 1 - 5%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name			
n-butyl acetate	TWA	150 ppm	
	STEL	200 ppm	
	STEL	950 mg/m ³	
	TWA	713 mg/m ³	
1,2,4-trimethylbenzene	TWA	25 ppm	
	TWA	123 mg/m ³	
n-butanol	CEIL	150 mg/m ³	
	CEIL	50 ppm	
mesitylene	TWA	25 ppm	
	TWA	25 ppm	
	TWA	123 mg/m ³	
	TWA	123 mg/m ³	
dibutylbis((1-oxododecyl)oxy)stannane	STEL	0.2 mg/m ³	
	TWA	0.1 mg/m ³	

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) ^(R)	0.7 mm	10 min

Chemical Name	Glove material	Glove thickness	Break through time
	Nitrile rubber	0.33 mm	30 min
2-butoxyethyl acetate	Viton (R) ®	0.7 mm	480 m
	Nitrile rubber	0.33 mm	480 m
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) ®	0.7 mm	30 min
n-butanol	Viton (R) ®	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	140 °C	
Flash point	25 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1.2 %	
Vapour pressure	11.5 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.9 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
n-butanol	Category 2
mesitylene	Category 3
dibutylbis((1-oxododecyl)oxy)stannane	Category 1B

Serious eye damage/eye irritation

2-methoxy-1-methylethyl acetate	Category 2A
1,2,4-trimethylbenzene	Category 2A
n-butanol	Category 1
mesitylene	Category 2A
dibutylbis((1-oxododecyl)oxy)stannane	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

dibutylbis((1-oxododecyl)oxy)stannane Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

dibutylbis((1-oxododecyl)oxy)stannane Category 1A

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
2-butoxyethyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
dibutylbis((1-oxododecyl)oxy)stannane	Category 1

Chronic aquatic toxicity

1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
dibutylbis((1-oxododecyl)oxy)stannane	Category 1

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8A
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2015-01-29
B11799618	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	EV310 PUR Binder
Product code	EV310
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	<p>Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.</p>
Precautionary statements	<p>Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. IF exposed or concerned: Get medical advice/ attention.</p>

If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains epoxy constituents. See information supplied by the manufacturer. Contains: 2,3-epoxypropyl neodecanoate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
112-07-2	2-butoxyethyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
26761-45-5	2,3-epoxypropyl neodecanoate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 50 - 60%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
2-butoxyethyl acetate	Viton (R) ®	0.7 mm	480 m
	Nitrile rubber	0.33 mm	480 m
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) ®	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	34 °C	DIN 53213/ISO 1523
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	3.9 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.02 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	375 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
2-butoxyethyl acetate	Category 4
ethylbenzene	Category 4
1,2,4-trimethylbenzene	Category 4
toluene	Category 5

% of unknown composition 12.9 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
ethylbenzene	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3

1,2,4-trimethylbenzene
mesitylene
toluene

Category 2
Category 3
Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

2,3-epoxypropyl neodecanoate Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be a skin sensitizer and an irritant. Low molecular epoxy constituents are irritating to eyes, mucous membranes and skin. Repeated skin contact may lead to irritation and to sensitization, possibly with cross-sensitization to other epoxies. Avoid skin and eye contact. Avoid inhalation of vapour or mist.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate
xylene
2-butoxyethyl acetate
ethylbenzene

Category 3
Category 3
Category 3
Category 2

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
2,3-epoxypropyl neodecanoate	Category 2
toluene	Category 2

% of unknown composition 12.9%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

**Matters needing attention for transportation**

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2015-01-29
B11937650	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	EV313 PUR MS Activator
Product code	EV313
Intended use of the substance/preparation	Hardener for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute oral toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3B
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Flammable liquid and vapour. May be harmful if swallowed. Causes mild skin irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Harmful to aquatic life. Toxic to aquatic life with long lasting effects.</p>
Precautionary statements	<p>Avoid release to the environment. In case of inadequate ventilation wear respiratory protection. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection.</p>

Avoid breathing dust/ vapours/ spray.
 Collect spillage.
 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.
 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains isocyanates. See information supplied by the manufacturer.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
28182-81-2	Hexamethylene diisocyanate, oligomers	30 - 40%	✓	
123-86-4	n-butyl acetate	20 - 30%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	10 - 20%	✓	
95-63-6	1,2,4-trimethylbenzene	5 - 10%	✓	
112-07-2	2-butoxyethyl acetate	5 - 10%	✓	
108-67-8	mesitylene	1 - 3%	✓	
103-65-1	n-propylbenzene	1 - 3%	✓	
98-82-8	cumene	0.3 - 1.0%	✓	
1330-20-7	xylene	0.3 - 1.0%	✓	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. Skin contact may cause skin sensitization. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts), concentrated (d : 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts), water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in non-sealed container. Once this stage is reached, close container and dispose according to local regulations (see section 13).

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
Hexamethylene diisocyanate, oligomers	STEL	0.07 mg/m ³
	TWA	0.02 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
1,2,4-trimethylbenzene	TWA	713 mg/m ³
	TWA	25 ppm
	TWA	123 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³

Engineering measures

Provide adequate ventilation. Air-fed protective respiratory equipment must be worn by spray operator even when good ventilation is provided.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

For spraying: air-fed respirator. For operations other than spraying: in well ventilated areas, air-fed respirators could be replaced by a combination of charcoal filter and particulate filter mask.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
	Nitrile rubber	0.33 mm	30 min
2-butoxyethyl acetate	Viton (R) [®]	0.7 mm	480 m
	Nitrile rubber	0.33 mm	480 m
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	104 °C
Flash point	25 °C DIN 53213/ISO 1523
Evaporation rate	Slower than Ether

Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	5.8 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.97 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	375 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents and strongly acid or alkaline materials. Amines and alcohols cause exothermic reactions. Mixture reacts slowly with water resulting in evolution of CO₂. Evolution of CO₂ in closed containers causes overpressure and produces a risk of bursting.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen as well as hydrogen cyanide, amines, alcohols and water.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

1,2,4-trimethylbenzene	Category 5
2-butoxyethyl acetate	Category 4
cumene	Category 5
xylene	Category 5

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 3
n-propylbenzene	Category 3
xylene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Hexamethylene diisocyanate, oligomers Category 1

Skin sensitisation

Hexamethylene diisocyanate, oligomers Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Based on the properties of the isocyanate components and considering toxicological data on similar products, the following applies: This formulation may cause acute irritation and/or sensitization of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Components of the product may be absorbed into the body through the skin.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
2-butoxyethyl acetate	Category 3
mesitylene	Category 2
n-propylbenzene	Category 2
cumene	Category 2
xylene	Category 3

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
n-propylbenzene	Category 2
cumene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: yes [solvent naphtha (petroleum), light arom. (<0,1% benzene)]
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662
HSNO Classification
Acute oral toxicity Category 6.1E
Skin corrosion/irritation Category 6.3B
Respiratory sensitisation Category 6.5A
Skin sensitisation Category 6.5B
Flammable liquids Category 3.1C
Acute aquatic toxicity Category 9.1C
Chronic aquatic toxicity Category 9.1B

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29
B11759535

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	EV316 PUR Activator Fast
Product code	EV316
Intended use of the substance/preparation	Hardener for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8A
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Flammable liquid and vapour. Causes mild skin irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. May damage fertility or the unborn child. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.</p>
Precautionary statements	<p>Avoid release to the environment. In case of inadequate ventilation wear respiratory protection. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use.</p>

Wear protective gloves/protective clothing/eye protection/face protection.
 Avoid breathing dust/ vapours/ spray.
 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.
 IF exposed or concerned: Get medical advice/ attention.
 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains isocyanates. See information supplied by the manufacturer. Contains: hexamethylene-di-isocyanate; dibutylbis((1-oxododecyl)oxy)stannane. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS Hazardous
28182-81-2	Hexamethylene diisocyanate, oligomers	70 - 80%	√
123-86-4	n-butyl acetate	10 - 20%	√
95-63-6	1,2,4-trimethylbenzene	1 - 3%	√
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	√
108-67-8	mesitylene	0.3 - 1.0%	√
822-06-0	hexamethylene-di-isocyanate	0.1 - 0.3%	√
77-58-7	dibutylbis((1-oxododecyl)oxy)stannane	0.1 - 0.3%	√

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. Skin contact may cause skin sensitization. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts), concentrated (d : 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts), water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in non-sealed container. Once this stage is reached, close container and dispose according to local regulations (see section 13).

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
Hexamethylene diisocyanate, oligomers	STEL	0.07 mg/m ³
	TWA	0.02 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
1,2,4-trimethylbenzene	TWA	713 mg/m ³
	TWA	25 ppm
mesitylene	TWA	123 mg/m ³
	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
hexamethylene-di-isocyanate	TWA	123 mg/m ³
	STEL	0.07 mg/m ³
dibutylbis((1-oxododecyl)oxy)stannane	TWA	0.02 mg/m ³
	STEL	0.2 mg/m ³
	TWA	0.1 mg/m ³

Engineering measures

Provide adequate ventilation. Air-fed protective respiratory equipment must be worn by spray operator even when good ventilation is provided.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

For spraying: air-fed respirator. For operations other than spraying: in well ventilated areas, air-fed respirators could be replaced by a combination of charcoal filter and particulate filter mask.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	104 °C	
Flash point	24 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1.2 %	
Vapour pressure	3.2 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.08 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents and strongly acid or alkaline materials. Amines and alcohols cause exothermic reactions. Mixture reacts slowly with water resulting in evolution of CO₂. Evolution of CO₂ in closed containers causes overpressure and produces a risk of bursting.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen as well as hydrogen cyanide, amines, alcohols and water.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
mesitylene	Category 3
hexamethylene-di-isocyanate	Category 1C
dibutylbis((1-oxododecyl)oxy)stannane	Category 1B

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Hexamethylene diisocyanate, oligomers	Category 1
hexamethylene-di-isocyanate	Category 1

Skin sensitisation

Hexamethylene diisocyanate, oligomers	Category 1
hexamethylene-di-isocyanate	Category 1
dibutylbis((1-oxododecyl)oxy)stannane	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

dibutylbis((1-oxododecyl)oxy)stannane	Category 1A
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Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Based on the properties of the isocyanate components and considering toxicological data on similar products, the following applies: This formulation may cause acute irritation and/or sensitization of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Components of the product may be absorbed into the body through the skin.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2

hexamethylene-di-isocyanate	Category 3
dibutylbis((1-oxododecyl)oxy)stannane	Category 1

Chronic aquatic toxicity

1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
hexamethylene-di-isocyanate	Category 3
dibutylbis((1-oxododecyl)oxy)stannane	Category 1

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT RELATED MATERIAL

UN number:	1263
Hazard Class:	3
Packing group:	III
Hazchem Code:	3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number:	1263
Hazard Class:	3
Subsidiary Hazard Class:	Not applicable.
Packing group:	III
Marine Pollutant:	no
EmS:	F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number:	1263
Hazard Class:	3



Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8A
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2015-01-29
	B11759521

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	EV370 One Step Binder
Product code	EV370
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Causes mild skin irritation. May cause an allergic skin reaction. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. Collect spillage. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: n-butyl acrylate; bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate. May produce an allergic reaction.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	10 - 20%	✓	
95-63-6	1,2,4-trimethylbenzene	5 - 10%	✓	
112-07-2	2-butoxyethyl acetate	5 - 10%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	5 - 10%	✓	
1330-20-7	xylene	3 - 5%	✓	
7779-90-0	trizinc bis(orthophosphate)	3 - 5%	✓	
108-67-8	mesitylene	1 - 3%	✓	
100-51-6	benzyl alcohol	1 - 3%	✓	
8002-74-2	paraffin waxes and hydrocarbon waxes	1 - 3%	✓	
107-98-2	1-methoxy-2-propanol	1 - 3%	✓	
98-82-8	cumene	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
141-32-2	n-butyl acrylate	0.3 - 1.0%	✓	
100-42-5	styrene	0.3 - 1.0%	✓	
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) seba- cate	0.1 - 0.3%	✓	
1314-13-2	zinc oxide	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
trizinc bis(orthophosphate)	TWA	10 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
paraffin waxes and hydrocarbon waxes	TWA	2 mg/m ³
1-methoxy-2-propanol	TWA	100 ppm
	STEL	150 ppm
	STEL	553 mg/m ³
	TWA	369 mg/m ³
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³

 Chemical Name

	TWA	125 mg/m3
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m3
n-butyl acrylate	TWA	434 mg/m3
	TWA	10 ppm
	TWA	52 mg/m3
styrene	TWA	50 ppm
	STEL	100 ppm
	STEL	426 mg/m3
	TWA	213 mg/m3
zinc oxide	STEL	10 mg/m3
	TWA	5 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
2-butoxyethyl acetate	Viton (R) [®]	0.7 mm	480 m
	Nitrile rubber	0.33 mm	480 m
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product

compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	137 °C	
Flash point	29 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	3.4 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.03 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	270 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
xylene	Category 2
mesitylene	Category 3
1-methoxy-2-propanol	Category 3
ethylbenzene	Category 3
n-butyl acrylate	Category 2
styrene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

benzyl alcohol	Category 1
n-butyl acrylate	Category 1
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2
2-butoxyethyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
xylene	Category 3
trizinc bis(orthophosphate)	Category 1
mesitylene	Category 2
cumene	Category 2
ethylbenzene	Category 2
n-butyl acrylate	Category 2
styrene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
zinc oxide	Category 1

Chronic aquatic toxicity

1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
trizinc bis(orthophosphate)	Category 1
mesitylene	Category 2
cumene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
zinc oxide	Category 1

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: yes [trizinc bis(orthophosphate)]

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code HSR002662

HSNO Classification

Skin corrosion/irritation Category 6.3B

Skin sensitisation Category 6.5B

Flammable liquids Category 3.1C

Acute aquatic toxicity Category 9.1B

Chronic aquatic toxicity Category 9.1B



16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29
B11737057

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	EV371 One Step Activator
Product code	EV371
Intended use of the substance/preparation	Hardener for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Flammable liquid and vapour. Causes mild skin irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. In case of inadequate ventilation wear respiratory protection. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If skin irritation or rash occurs: Get medical advice/ attention.

Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains isocyanates. See information supplied by the manufacturer. Contains: hexamethylene-di-isocyanate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
28182-81-2	Hexamethylene diisocyanate, oligomers	70 - 80%	✓	
123-86-4	n-butyl acetate	20 - 30%	✓	
822-06-0	hexamethylene-di-isocyanate	0.3 - 1.0%	✓	

Non-regulated ingredients 0.0 - 0.1%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. Skin contact may cause skin sensitization. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts), concentrated (d : 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts), water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in non-sealed container. Once this stage is reached, close container and dispose according to local regulations (see section 13).

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits Workplace Exposure Standards (WESs) 2002

Chemical Name			
Hexamethylene diisocyanate, oligomers	STEL	0.07 mg/m ³	
	TWA	0.02 mg/m ³	
n-butyl acetate	TWA	150 ppm	
	STEL	200 ppm	
	STEL	950 mg/m ³	
hexamethylene-di-isocyanate	TWA	713 mg/m ³	
	STEL	0.07 mg/m ³	
	TWA	0.02 mg/m ³	

Engineering measures

Provide adequate ventilation. Air-fed protective respiratory equipment must be worn by spray operator even when good ventilation is provided.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

For spraying: air-fed respirator. For operations other than spraying: in well ventilated areas, air-fed respirators could be replaced by a combination of charcoal filter and particulate filter mask.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	125 °C	
Flash point	36 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	Not applicable.	
Lower explosion limit	Not applicable.	
Vapour pressure	3.8 hPa	
Solubility(ies)	nil	
Vapour density	no data available	
Density	1.07 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity**Stability**

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents and strongly acid or alkaline materials. Amines and alcohols cause exothermic reactions. Mixture reacts slowly with water resulting in evolution of CO₂. Evolution of CO₂ in closed containers causes overpressure and produces a risk of bursting.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen as well as hydrogen cyanide, amines, alcohols and water.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

Not classified according to GHS criteria

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
hexamethylene-di-isocyanate	Category 1C

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Hexamethylene diisocyanate, oligomers	Category 1
hexamethylene-di-isocyanate	Category 1

Skin sensitisation

Hexamethylene diisocyanate, oligomers	Category 1
hexamethylene-di-isocyanate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Based on the properties of the isocyanate components and considering toxicological data on similar products, the following applies: This formulation may cause acute irritation and/or sensitization of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Components of the product may be absorbed into the body through the skin.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
hexamethylene-di-isocyanate	Category 3

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name:	PAINT RELATED MATERIAL
UN number:	1263
Hazard Class:	3
Packing group:	III
Hazchem Code:	3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29
B11759570

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	EV390 2K Flattening Binder
Product code	EV390
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Causes mild skin irritation. May cause an allergic skin reaction. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains epoxy constituents. See information supplied by the manufacturer. Contains: 2,3-epoxypropyl neodecanoate. May produce an allergic reaction.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	30 - 40%	✓	
112926-00-8	Amorphous silica - precipitated	10 - 20%		
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	10 - 20%	✓	
95-63-6	1,2,4-trimethylbenzene	5 - 10%	✓	
108-67-8	mesitylene	1 - 3%	✓	
112-07-2	2-butoxyethyl acetate	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
98-82-8	cumene	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
26761-45-5	2,3-epoxypropyl neodecanoate	0.3 - 1.0%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits Workplace Exposure Standards (WESs) 2002

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
Amorphous silica - precipitated	TWA	10 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
	Nitrile rubber	0.33 mm	30 min
2-butoxyethyl acetate	Viton (R) [®]	0.7 mm	480 m
	Nitrile rubber	0.33 mm	480 m
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: cloudy Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	149 °C	
Flash point	24 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	6.0 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.01 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	201 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	49 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 26 %

Skin corrosion/irritation

n-butyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 3
xylene	Category 2
ethylbenzene	Category 3

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

2,3-epoxypropyl neodecanoate Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be a skin sensitiser and an irritant. Low molecular epoxy constituents are irritating to eyes, mucous membranes and skin. Repeated skin contact may lead to irritation and to sensitization, possibly with cross-sensitization to other epoxies. Avoid skin and eye contact. Avoid inhalation of vapour or mist.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
2-butoxyethyl acetate	Category 3
xylene	Category 3
cumene	Category 2
ethylbenzene	Category 2
2,3-epoxypropyl neodecanoate	Category 2

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2
2,3-epoxypropyl neodecanoate	Category 2

% of unknown composition 26%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

**Matters needing attention for transportation**

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29
B11937762

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	G2-7600SX A HYPERCURE CLEAR
Product code	G2-7600SX
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling



Hazard symbols

Signal word

Warning

Hazard statements

Flammable liquid and vapour.
May be harmful if inhaled.
Causes skin irritation.
May cause an allergic skin reaction.
Suspected of damaging fertility or the unborn child.
May cause damage to organs through prolonged or repeated exposure.
Harmful to aquatic life.
Harmful to aquatic life with long lasting effects.

Precautionary statements

Avoid release to the environment.
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Obtain special instructions before use.
 Wear protective gloves/protective clothing/eye protection/face protection.
 IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate; isobutyl methacrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
1330-20-7	xylene	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
108-88-3	toluene	5 - 10%	✓	
78-93-3	butanone	3 - 5%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
141-78-6	ethyl acetate	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
64-19-7	acetic acid	0.1 - 0.3%	✓	
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) seba- cate	0.1 - 0.3%	✓	
97-86-9	isobutyl methacrylate	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
xylene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
ethylbenzene	STEL	950 mg/m ³
	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
toluene	TWA	434 mg/m ³
	TWA	50 ppm
butanone	TWA	188 mg/m ³
	TWA	150 ppm
	STEL	300 ppm
1,2,4-trimethylbenzene	STEL	890 mg/m ³
	TWA	445 mg/m ³
ethyl acetate	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	200 ppm

 Chemical Name

	TWA	720 mg/m3
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m3
	TWA	123 mg/m3
acetic acid	TWA	10 ppm
	STEL	15 ppm
	STEL	37 mg/m3
	TWA	25 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
butanone	Viton (R) ®	0.7 mm	10 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) ®	0.7 mm	30 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) ®	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier

on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	109 °C	
Flash point	24 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	11.8 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.94 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	404 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause

respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
toluene	Category 5
1,2,4-trimethylbenzene	Category 4
acetic acid	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
toluene	Category 2
butanone	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
ethyl acetate	Category 3
mesitylene	Category 3
acetic acid	Category 1A
isobutyl methacrylate	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
isobutyl methacrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

- **Skin Absorption**

- **Body weight effects** ethyl acetate

- **Central nervous system** 1,2,4-trimethylbenzene

- **Inhalation**

- **Respiratory system** isobutyl methacrylate

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
toluene	Category 2
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
isobutyl methacrylate	Category 1

Chronic aquatic toxicity

1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-29
B12738295

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	G3-7800SX SUPERFAST DRY CLEARCOAT
Product code	G3-7800SX
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-14

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8A
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. Causes mild skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May damage fertility or the unborn child. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Obtain special instructions before use.

Wear protective gloves/protective clothing/eye protection/face protection.
 Avoid breathing dust/ vapours/ spray.
 IF exposed or concerned: Get medical advice/ attention.
 If eye irritation persists: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains epoxy constituents. See information supplied by the manufacturer. Contains: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate; methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate; dibutylbis((1-oxododecyl)oxy)stannane; 2,3-epoxypropyl neodecanoate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
67-64-1	acetone	10 - 20%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
110-43-0	heptan-2-one	5 - 10%	✓	
110-12-3	5-methylhexan-2-one	5 - 10%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	3 - 5%	✓	
78-93-3	butanone	3 - 5%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
108-10-1	4-methylpentan-2-one	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
64-19-7	acetic acid	0.3 - 1.0%	✓	
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) seba- cate	0.3 - 1.0%	✓	
1330-20-7	xylene	0.3 - 1.0%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl se- bacate	0.1 - 0.3%	✓	
77-58-7	dibutylbis((1-oxododecyl)oxy)stannane	0.1 - 0.3%	✓	
26761-45-5	2,3-epoxypropyl neodecanoate	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
acetone	TWA	500 ppm
	STEL	1,000 ppm
	STEL	2,375 mg/m ³
	TWA	1,185 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
heptan-2-one	TWA	50 ppm
	TWA	233 mg/m ³
5-methylhexan-2-one	TWA	50 ppm
	TWA	234 mg/m ³
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m ³

Chemical Name		
	TWA	445 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m ³
	TWA	205 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
acetic acid	TWA	10 ppm
	STEL	15 ppm
	STEL	37 mg/m ³
	TWA	25 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³
dibutylbis((1-oxododecyl)oxy)stannane	STEL	0.2 mg/m ³
	TWA	0.1 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
butanone	Viton (R) [®]	0.7 mm	10 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	144 °C	
Flash point	4 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	12.8 %	
Lower explosion limit	0.9 %	
Vapour pressure	42.2 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.93 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	393 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

acetone	Category 3
n-butyl acetate	Category 3
heptan-2-one	Category 2
5-methylhexan-2-one	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
butanone	Category 3
1,2,4-trimethylbenzene	Category 2
4-methylpentan-2-one	Category 3
mesitylene	Category 3
acetic acid	Category 1A
xylene	Category 2
dibutylbis((1-oxododecyl)oxy)stannane	Category 1B

Serious eye damage/eye irritation

acetone	Category 2A
heptan-2-one	Category 2B
5-methylhexan-2-one	Category 2A
butanone	Category 2A

1,2,4-trimethylbenzene	Category 2A
4-methylpentan-2-one	Category 2A
mesitylene	Category 2A
acetic acid	Category 1
xylene	Category 2A
dibutylbis((1-oxododecyl)oxy)stannane	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
dibutylbis((1-oxododecyl)oxy)stannane	Category 1
2,3-epoxypropyl neodecanoate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

dibutylbis((1-oxododecyl)oxy)stannane	Category 1A
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Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be a skin sensitiser and an irritant. Low molecular epoxy constituents are irritating to eyes, mucous membranes and skin. Repeated skin contact may lead to irritation and to sensitization, possibly with cross-sensitization to other epoxies. Avoid skin and eye contact. Avoid inhalation of vapour or mist.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
heptan-2-one	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
xylene	Category 3
cumene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
dibutylbis((1-oxododecyl)oxy)stannane	Category 1
2,3-epoxypropyl neodecanoate	Category 2

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
cumene	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
dibutylbis((1-oxododecyl)oxy)stannane	Category 1
2,3-epoxypropyl neodecanoate	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name:	PAINT
UN number:	1263
Hazard Class:	3
Packing group:	II
Hazchem Code:	3YE

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: II
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8A
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-14
 B13078851

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	HC-7600S Hypercure Chromaclear
Product code	HC-7600S
Intended use of the substance/preparation	
Coating for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling



Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Keep container tightly closed.
 Obtain special instructions before use.
 Wear protective gloves/protective clothing/eye protection/face protection.
 IF exposed or concerned: Get medical advice/ attention.
 If eye irritation persists: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate; methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate; isobutyl methacrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
67-64-1	acetone	20 - 30%	✓	
1330-20-7	xylene	10 - 20%	✓	
110-43-0	heptan-2-one	5 - 10%	✓	
108-10-1	4-methylpentan-2-one	5 - 10%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
78-93-3	butanone	3 - 5%	✓	
108-88-3	toluene	1 - 3%	✓	
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) seba- cate	0.3 - 1.0%	✓	
64-19-7	acetic acid	0.1 - 0.3%	✓	
123-86-4	n-butyl acetate	0.1 - 0.3%	✓	
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl se- bacate	0.1 - 0.3%	✓	
97-86-9	isobutyl methacrylate	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
acetone	TWA	500 ppm
	STEL	1,000 ppm
	STEL	2,375 mg/m ³
	TWA	1,185 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
heptan-2-one	TWA	50 ppm
	TWA	233 mg/m ³
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m ³
	TWA	205 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
butanone	TWA	150 ppm
	STEL	300 ppm

 Chemical Name

	STEL	890 mg/m ³
	TWA	445 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³
acetic acid	TWA	10 ppm
	STEL	15 ppm
	STEL	37 mg/m ³
	TWA	25 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
butanone	Viton (R) ®	0.7 mm	10 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be

replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	114 °C	
Flash point	-20 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	12.8 %	
Lower explosion limit	1 %	
Vapour pressure	71.6 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.91 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	393 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath,

wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
heptan-2-one	Category 4
4-methylpentan-2-one	Category 4
ethylbenzene	Category 4
toluene	Category 5
acetic acid	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

acetone	Category 3
xylene	Category 2
heptan-2-one	Category 2
4-methylpentan-2-one	Category 3
ethylbenzene	Category 3
butanone	Category 3
toluene	Category 2
acetic acid	Category 1A
n-butyl acetate	Category 3
isobutyl methacrylate	Category 2

Serious eye damage/eye irritation

acetone	Category 2A
xylene	Category 2A
heptan-2-one	Category 2B
4-methylpentan-2-one	Category 2A
ethylbenzene	Category 2B
butanone	Category 2A
toluene	Category 2B
acetic acid	Category 1
isobutyl methacrylate	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
isobutyl methacrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

- Inhalation

Respiratory system isobutyl methacrylate

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
heptan-2-one	Category 3
ethylbenzene	Category 2
toluene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
n-butyl acetate	Category 3
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1
isobutyl methacrylate	Category 1

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
B12628728	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	HC-7603S Low Temp Spot Activator
Product code	HC-7603S
Intended use of the substance/preparation	Hardener for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Skin corrosion/irritation	Category 6.3A
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Highly flammable liquid and vapour. Causes skin irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life.</p>
Precautionary statements	<p>Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. In case of inadequate ventilation wear respiratory protection. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.</p>

Keep container tightly closed.
Obtain special instructions before use.
Wear protective gloves/protective clothing/eye protection/face protection.
If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.
IF exposed or concerned: Get medical advice/ attention.
IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains isocyanates. See information supplied by the manufacturer. Contains: 4-isocyanatosulphonyltoluene. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
28182-81-2	Hexamethylene diisocyanate, oligomers	40 - 50%	✓	
123-86-4	n-butyl acetate	30 - 40%	✓	
108-88-3	toluene	10 - 20%	✓	
53880-05-0	3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers	3 - 5%	✓	
624-54-4	pentyl propionate	3 - 5%	✓	
628-63-7	pentyl acetate	3 - 5%	✓	
624-41-9	2-methylbutyl acetate	1 - 3%	✓	
4083-64-1	4-isocyanatosulphonyltoluene	0.1 - 0.3%	✓	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. Skin contact may cause skin sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts), concentrated (d : 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts), water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in non-sealed container. Once this stage is reached, close container and dispose according to local regulations (see section 13).

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
Hexamethylene diisocyanate, oligomers	STEL	0.07 mg/m ³
	TWA	0.02 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
toluene	TWA	713 mg/m ³
	TWA	50 ppm
pentyl acetate	TWA	188 mg/m ³
	TWA	100 ppm
	TWA	532 mg/m ³

Engineering measures

Provide adequate ventilation. Air-fed protective respiratory equipment must be worn by spray operator even when good ventilation is provided.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

For spraying: air-fed respirator. For operations other than spraying: in well ventilated areas, air-fed respirators could be replaced by a combination of charcoal filter and particulate filter mask.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	109 °C	
Flash point	10 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1.1 %	
Vapour pressure	8.5 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.99 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	360 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity**Stability**

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents and strongly acid or alkaline materials. Amines and alcohols cause exothermic reactions. Mixture reacts slowly with water resulting in evolution of CO₂. Evolution of CO₂ in closed containers causes overpressure and produces a risk of bursting.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen as well as hydrogen cyanide, amines, alcohols and water.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

Not classified according to GHS criteria

Acute dermal toxicity

Not classified according to GHS criteria

Acute inhalation toxicity

Not classified according to GHS criteria

Skin corrosion/irritation

n-butyl acetate	Category 3
toluene	Category 2
pentyl acetate	Category 3
2-methylbutyl acetate	Category 3
4-isocyanatosulphonyltoluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Hexamethylene diisocyanate, oligomers	Category 1
4-isocyanatosulphonyltoluene	Category 1

Skin sensitisation

Hexamethylene diisocyanate, oligomers	Category 1
3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

No data available.

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Based on the properties of the isocyanate components and considering toxicological data on similar products, the following applies: This formulation may cause acute irritation and/or sensitization of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Components of the product may be absorbed into the body through the skin.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
toluene	Category 2
pentyl propionate	Category 2
4-isocyanatosulphonyltoluene	Category 3

% of unknown composition 1.7%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9, 11

Revision Date: 2015-01-29
B12628704

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	HCC-6210 Hot Hues Teal Blue
Product code	HCC-6210
Intended use of the substance/preparation	Intermediate
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Wear protective gloves/protective clothing/eye protection/face protection. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
127519-17-9	Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched and linear alkyl esters	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
110-43-0	heptan-2-one	5 - 10%	✓	
108-10-1	4-methylpentan-2-one	5 - 10%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	0.3 - 1.0%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Chemical Name

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name

n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
xylene	TWA	713 mg/m ³
	TWA	50 ppm
heptan-2-one	TWA	217 mg/m ³
	TWA	50 ppm
4-methylpentan-2-one	TWA	233 mg/m ³
	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m ³
ethylbenzene	TWA	205 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
butanone	TWA	434 mg/m ³
	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m ³
	TWA	445 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
butanone	Viton (R) [®]	0.7 mm	10 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: green Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	114 °C	
Flash point	-7 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	8.4 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.95 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	393 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
heptan-2-one	Category 4
4-methylpentan-2-one	Category 4
ethylbenzene	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
heptan-2-one	Category 2
4-methylpentan-2-one	Category 3
ethylbenzene	Category 3
butanone	Category 3

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched and linear alkyl esters	Category 2
xylene	Category 3
heptan-2-one	Category 3
ethylbenzene	Category 2

Chronic aquatic toxicity

Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched and linear alkyl esters	Category 2
---	------------

% of unknown composition 14.5%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662

HSNO Control A This product must be under the control of an approved handler during use.

HSNO Classification

Acute inhalation toxicity Category 6.1E

Skin corrosion/irritation Category 6.3A

Flammable liquids Category 3.1B

Acute aquatic toxicity Category 9.1C

Chronic aquatic toxicity Category 9.1C

16. Other information

Revision Note



Version	Changes
2.0	9

Revision Date: 2015-01-29
B12782356

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	HCC-6215 Hot Hues True Blue
Product code	HCC-6215
Intended use of the substance/preparation	Intermediate
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Wear protective gloves/protective clothing/eye protection/face protection. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
100-51-6	benzyl alcohol	10 - 20%	✓	
127519-17-9	Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched and linear alkyl esters	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
108-10-1	4-methylpentan-2-one	5 - 10%	✓	
110-43-0	heptan-2-one	3 - 5%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
97862-65-2	Amines, rosin, compds. with 9-(2-carboxyphenyl)-3,6-bis(diethylamino)xanthylium chloride and disodium hydrogen bis[4-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-3-hydroxy-1-naphthalenesulfonato(3-)]chromate(3-)	1 - 3%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	0.3 - 1.0%	✓	
7440-47-3	Chromium(iii)	0.1 - 0.3%		

Non-regulated ingredients 20 - 30%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection**National occupational exposure limits****Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m ³
	TWA	205 mg/m ³
heptan-2-one	TWA	50 ppm
	TWA	233 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m ³
	TWA	445 mg/m ³
Chromium(iii)	TWA	0.5 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
butanone	Viton (R) [®]	0.7 mm	10 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: blue Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	114 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	13 %	
Lower explosion limit	1 %	
Vapour pressure	7.2 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.97 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	393 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

benzyl alcohol	Category 4
xylene	Category 4
4-methylpentan-2-one	Category 4
heptan-2-one	Category 4
ethylbenzene	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
4-methylpentan-2-one	Category 3
heptan-2-one	Category 2

ethylbenzene Category 3
butanone Category 3

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched and linear alkyl esters	Category 2
xylene	Category 3
heptan-2-one	Category 3
ethylbenzene	Category 2
Chromium(iii)	Category 3

**Chronic aquatic toxicity**

Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched and linear alkyl esters
Amines, rosin, compds. with 9-(2-carboxyphenyl)-3,6-bis(diethylamino)xanthylium chloride and disodium hydrogen bis[4-[(4,5-dihydro-3-methyl-5-oxo

% of unknown composition 11.9%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Packing group: II
Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.



15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B12380091

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	HCC-6230 Hot Hues Hot Raspberry
Product code	HCC-6230
Intended use of the substance/preparation	Intermediate
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Wear protective gloves/protective clothing/eye protection/face protection. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
123-86-4	n-butyl acetate	30 - 40%	✓	
127519-17-9	Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched and linear alkyl esters	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
110-43-0	heptan-2-one	5 - 10%	✓	
108-10-1	4-methylpentan-2-one	5 - 10%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	0.3 - 1.0%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Chemical Name

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name

n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
xylene	TWA	713 mg/m ³
	TWA	50 ppm
heptan-2-one	TWA	217 mg/m ³
	TWA	50 ppm
4-methylpentan-2-one	TWA	233 mg/m ³
	TWA	50 ppm
	STEL	75 ppm
ethylbenzene	STEL	307 mg/m ³
	TWA	205 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
butanone	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m ³
	TWA	445 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
butanone	Viton (R) [®]	0.7 mm	10 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: red Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	114 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	9.1 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.94 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	393 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
heptan-2-one	Category 4
4-methylpentan-2-one	Category 4
ethylbenzene	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
heptan-2-one	Category 2
4-methylpentan-2-one	Category 3
ethylbenzene	Category 3
butanone	Category 3

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched and linear alkyl esters	Category 2
xylene	Category 3
heptan-2-one	Category 3
ethylbenzene	Category 2

Chronic aquatic toxicity

Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched and linear alkyl esters	Category 2
---	------------

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662

HSNO Control A This product must be under the control of an approved handler during use.

HSNO Classification

Acute inhalation toxicity Category 6.1E

Skin corrosion/irritation Category 6.3A

Flammable liquids Category 3.1B

Acute aquatic toxicity Category 9.1C

Chronic aquatic toxicity Category 9.1C

16. Other information

Revision Note



Version	Changes
2.0	9

Revision Date: 2015-01-29
B12380087

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	HCC-6235 Hot Hues Hot Apple Red
Product code	HCC-6235
Intended use of the substance/preparation	Intermediate
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Wear protective gloves/protective clothing/eye protection/face protection. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
123-86-4	n-butyl acetate	30 - 40%	✓	
127519-17-9	Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched and linear alkyl esters	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
110-43-0	heptan-2-one	5 - 10%	✓	
108-10-1	4-methylpentan-2-one	5 - 10%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	0.3 - 1.0%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Chemical Name

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name

n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
xylene	TWA	713 mg/m ³
	TWA	50 ppm
heptan-2-one	TWA	217 mg/m ³
	TWA	50 ppm
4-methylpentan-2-one	TWA	233 mg/m ³
	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m ³
ethylbenzene	TWA	205 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
butanone	TWA	434 mg/m ³
	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m ³
	TWA	445 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
butanone	Viton (R) [®]	0.7 mm	10 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: red Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	114 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	9.1 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.94 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	393 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
heptan-2-one	Category 4
4-methylpentan-2-one	Category 4
ethylbenzene	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
heptan-2-one	Category 2
4-methylpentan-2-one	Category 3
ethylbenzene	Category 3
butanone	Category 3

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched and linear alkyl esters	Category 2
xylene	Category 3
heptan-2-one	Category 3
ethylbenzene	Category 2

Chronic aquatic toxicity

Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched and linear alkyl esters	Category 2
---	------------

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code HSR002662

HSNO Control A This product must be under the control of an approved handler during use.

HSNO Classification

Acute inhalation toxicity Category 6.1E

Skin corrosion/irritation Category 6.3A

Flammable liquids Category 3.1B

Acute aquatic toxicity Category 9.1C

Chronic aquatic toxicity Category 9.1C

16. Other information

Revision Note



Version	Changes
2.0	9

Revision Date: 2015-01-29
B12380166

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	HCC-6240 Hot Hues Molten Orange
Product code	HCC-6240
Intended use of the substance/preparation	Intermediate
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. Causes mild skin irritation. Causes serious eye irritation. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Wear eye protection/ face protection. Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. If eye irritation persists: Get medical advice/ attention. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
78-93-3	butanone	30 - 40%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
127519-17-9	Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched and linear alkyl esters	10 - 20%	✓	
1330-20-7	xylene	5 - 10%	✓	
108-10-1	4-methylpentan-2-one	3 - 5%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	0.3 - 1.0%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Chemical Name

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name

butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m ³
n-butyl acetate	TWA	445 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
xylene	STEL	950 mg/m ³
	TWA	713 mg/m ³
	TWA	50 ppm
4-methylpentan-2-one	TWA	217 mg/m ³
	TWA	50 ppm
	STEL	75 ppm
ethylbenzene	STEL	307 mg/m ³
	TWA	205 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
butanone	Viton (R) [®]	0.7 mm	10 min
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: orange Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	78 °C	
Flash point	10 °C	
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	11 %	
Lower explosion limit	1 %	
Vapour pressure	36.9 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.92 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	404 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

butanone	Category 3
n-butyl acetate	Category 3
xylene	Category 2
4-methylpentan-2-one	Category 3
ethylbenzene	Category 3

Serious eye damage/eye irritation

butanone	Category 2A
xylene	Category 2A
4-methylpentan-2-one	Category 2A
ethylbenzene	Category 2B
2-methoxy-1-methylethyl acetate	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched and linear alkyl esters	Category 2
xylene	Category 3
ethylbenzene	Category 2

Chronic aquatic toxicity

Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched and linear alkyl esters	Category 2
---	------------

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Packing group: II
Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	



Version	Changes
Revision Date:	2014-12-05
B12380103	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	HCC-6245 Hot Hues Golden Honey
Product code	HCC-6245
Intended use of the substance/preparation	Intermediate
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Wear protective gloves/protective clothing/eye protection/face protection. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	30 - 40%	✓	
127519-17-9	Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched and linear alkyl esters	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
110-43-0	heptan-2-one	5 - 10%	✓	
108-10-1	4-methylpentan-2-one	5 - 10%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	0.3 - 1.0%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits Workplace Exposure Standards (WESs) 2002

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
xylene	TWA	713 mg/m ³
	TWA	50 ppm
heptan-2-one	TWA	217 mg/m ³
	TWA	50 ppm
4-methylpentan-2-one	TWA	233 mg/m ³
	TWA	50 ppm
	STEL	75 ppm
ethylbenzene	STEL	307 mg/m ³
	TWA	205 mg/m ³
	TWA	100 ppm
butanone	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m ³
	TWA	445 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
butanone	Viton (R) [®]	0.7 mm	10 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: yellow Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	114 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	9.3 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.93 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	393 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
heptan-2-one	Category 4
4-methylpentan-2-one	Category 4
ethylbenzene	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
heptan-2-one	Category 2
4-methylpentan-2-one	Category 3
ethylbenzene	Category 3
butanone	Category 3

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched and linear alkyl esters	Category 2
xylene	Category 3
heptan-2-one	Category 3
ethylbenzene	Category 2

Chronic aquatic toxicity

Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched and linear alkyl esters	Category 2
---	------------

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-29
B12380118

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	HCC-6250 Hot Hues Lemon Mist
Product code	HCC-6250
Intended use of the substance/preparation	Intermediate
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. May be harmful if inhaled. Causes mild skin irritation. Causes serious eye irritation. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Wear eye protection/ face protection. Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. If eye irritation persists: Get medical advice/ attention. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
108-10-1	4-methylpentan-2-one	20 - 30%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
107-98-2	1-methoxy-2-propanol	10 - 20%	✓	
127519-17-9	Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched and linear alkyl esters	10 - 20%	✓	
1330-20-7	xylene	5 - 10%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	0.3 - 1.0%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Chemical Name

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name

4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m ³
n-butyl acetate	TWA	205 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
1-methoxy-2-propanol	STEL	950 mg/m ³
	TWA	713 mg/m ³
	TWA	100 ppm
xylene	STEL	150 ppm
	STEL	553 mg/m ³
	TWA	369 mg/m ³
ethylbenzene	TWA	50 ppm
	TWA	217 mg/m ³
	TWA	100 ppm
butanone	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
butanone	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m ³
	TWA	445 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
butanone	Viton (R) [®]	0.7 mm	10 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: yellow Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	114 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	13.7 %	
Lower explosion limit	1 %	
Vapour pressure	11.2 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.94 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	270 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

4-methylpentan-2-one	Category 4
xylene	Category 4
ethylbenzene	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

4-methylpentan-2-one	Category 3
n-butyl acetate	Category 3
1-methoxy-2-propanol	Category 3
xylene	Category 2
ethylbenzene	Category 3
butanone	Category 3

Serious eye damage/eye irritation

4-methylpentan-2-one	Category 2A
1-methoxy-2-propanol	Category 2B
xylene	Category 2A
ethylbenzene	Category 2B
butanone	Category 2A
2-methoxy-1-methylethyl acetate	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched and linear alkyl esters	Category 2
xylene	Category 3
ethylbenzene	Category 2

Chronic aquatic toxicity

Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched and linear alkyl esters	Category 2
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% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
B12380175	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	HCC-6255 Hot Hues Irish Green
Product code	HCC-6255
Intended use of the substance/preparation	Intermediate
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Wear protective gloves/protective clothing/eye protection/face protection. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	30 - 40%	✓	
127519-17-9	Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched and linear alkyl esters	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
110-43-0	heptan-2-one	5 - 10%	✓	
108-10-1	4-methylpentan-2-one	5 - 10%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
78-93-3	butanone	0.3 - 1.0%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	0.3 - 1.0%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits Workplace Exposure Standards (WESs) 2002

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
xylene	TWA	713 mg/m ³
	TWA	50 ppm
heptan-2-one	TWA	217 mg/m ³
	TWA	50 ppm
4-methylpentan-2-one	TWA	233 mg/m ³
	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m ³
ethylbenzene	TWA	205 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
butanone	TWA	434 mg/m ³
	TWA	150 ppm
	STEL	300 ppm
	STEL	890 mg/m ³
	TWA	445 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
butanone	Viton (R) [®]	0.7 mm	10 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: green Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	114 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	9.3 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.93 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	393 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
heptan-2-one	Category 4
4-methylpentan-2-one	Category 4
ethylbenzene	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
heptan-2-one	Category 2
4-methylpentan-2-one	Category 3
ethylbenzene	Category 3
butanone	Category 3

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched and linear alkyl esters	Category 2
xylene	Category 3
heptan-2-one	Category 3
ethylbenzene	Category 2

Chronic aquatic toxicity

Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, C7-9-branched and linear alkyl esters	Category 2
---	------------

% of unknown composition 4.5%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-29
B12380126

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	HHM-6222 Hot Hues Intercoat Adhesion Promoter
Product code	HHM-6222
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. IF exposed or concerned: Get medical advice/ attention.

If eye irritation persists: Get medical advice/ attention.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	40 - 50%	✓	
1330-20-7	xylene	10 - 20%	✓	
108-10-1	4-methylpentan-2-one	5 - 10%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
78-93-3	butanone	1 - 3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Chemical Name

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name

n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
xylene	TWA	713 mg/m ³
	TWA	50 ppm
4-methylpentan-2-one	TWA	217 mg/m ³
	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m ³
ethylbenzene	TWA	205 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
butanone	TWA	434 mg/m ³
	TWA	150 ppm
	STEL	300 ppm
toluene	STEL	890 mg/m ³
	TWA	445 mg/m ³
	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
butanone	Viton (R) [®]	0.7 mm	10 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	114 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	11.7 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.92 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	404 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
4-methylpentan-2-one	Category 4
ethylbenzene	Category 4
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
4-methylpentan-2-one	Category 3
ethylbenzene	Category 3
butanone	Category 3
toluene	Category 2

Serious eye damage/eye irritation

xylene	Category 2A
4-methylpentan-2-one	Category 2A
ethylbenzene	Category 2B
butanone	Category 2A
toluene	Category 2B

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
xylene	Category 3
ethylbenzene	Category 2
toluene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C



16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-29
1250043223

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	HHM-6400 Hot Hues Black
Product code	HHM-6400
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Skin corrosion/irritation	Category 6.3B
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. Causes mild skin irritation. May cause an allergic skin reaction. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate. May produce an allergic reaction.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
7727-43-7	barium sulphate, natural	10 - 20%		
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	10 - 20%		
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	3 - 5%	✓	
1330-20-7	xylene	3 - 5%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
1333-86-4	carbon black	1 - 3%		
100-41-4	ethylbenzene	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
80-62-6	methyl methacrylate	0.1 - 0.3%	✓	
14808-60-7	Quartz (SiO ₂)	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a

decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Water spray, Dry chemical, Foam.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
barium sulphate, natural	TWA	10 mg/m ³
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	TWA	2 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
carbon black	TWA	3 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm

Chemical Name		
	STEL	416 mg/m ³
	TWA	208 mg/m ³
Quartz (SiO ₂)	TWA	0.2 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: black Odor Threshold : no data available

pH	Not applicable.	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	5.0 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.28 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
mesitylene	Category 3
methyl methacrylate	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2
methyl methacrylate	Category 3

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3



Subsidiary Hazard Class: Not applicable.
Packing group: II
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662
HSNO Control A This product must be under the control of an approved handler during use.
HSNO Classification
Skin corrosion/irritation Category 6.3B
Skin sensitisation Category 6.5B
Flammable liquids Category 3.1B
Acute aquatic toxicity Category 9.1C
Chronic aquatic toxicity Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-29
1250043426

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	HZ1503 Glass Surfacers
Product code	HZ1503
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Serious eye damage/eye irritation	Category 6.4A

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. Causes serious eye irritation.
Precautionary statements	Wear eye protection/ face protection. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. If eye irritation persists: Get medical advice/ attention. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
67-63-0	propan-2-ol	90 - 100%	√	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
propan-2-ol	TWA	400 ppm
	STEL	500 ppm
	STEL	1,230 mg/m ³
	TWA	983 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Glove material	Glove thickness	Break through time
Nitrile rubber	0.33 mm	60 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	83 °C	
Flash point	-12 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	12 %	
Lower explosion limit	2 %	
Vapour pressure	47.6 hPa	
Solubility(ies)	completely miscible	
Vapour density	no data available	
Density	0.79 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	399 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity**Stability**

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

Not classified according to GHS criteria

Serious eye damage/eye irritation

propan-2-ol Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Serious eye damage/eye irritation	Category 6.4A
Flammable liquids	Category 3.1B

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
	B12752292

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet



1. Identification of the substance/mixture and of the company/undertaking

Product name	HZ2004 Concrete Protector
Product code	HZ2004
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Not classified as a Dangerous Good under NZS 5433
Not classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Not classified according to GHS criteria

GHS-Labeling

Hazard symbols	Not classified according to GHS criteria
Signal word	Not classified according to GHS criteria
Hazard statements	Not classified according to GHS criteria
Precautionary statements	Not classified according to GHS criteria

Other hazards which do not result in classification

Safety data sheet available for professional user on request.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS Hazardous
67-63-0	propan-2-ol	5 - 10%	√

Non-regulated ingredients 90 - 100%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Not applicable. The product itself does not burn.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area. During baking at temperatures above 400°C, small amounts of hydrogen fluoride can be evolved; these amounts increase as temperatures. Hydrogen fluoride vapours are very toxic and cause skin and eye irritation. Above 430°C an explosive reaction may occur if finely divided fluorocarbon comes into contact with metal powder (aluminium or magnesium). Operations such as grinding, buffing or grit blasting may generate such mixtures. Avoid any dust buildup with fluorocarbons and metal mixtures.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
propan-2-ol	TWA	400 ppm
	STEL	500 ppm
	STEL	1,230 mg/m ³
	TWA	983 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Glove material	Glove thickness	Break through time
Nitrile rubber	0.33 mm	60 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: orange Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	82 °C	
Flash point	Not applicable.	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	Not applicable.	
Lower explosion limit	Not applicable.	
Vapour pressure	3.6 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	1.03 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	399 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

Does not sustain combustion.

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

In the event of fire Carbon monoxide, fluorinated hydrocarbons, hydrogen fluoride, nitrogen oxides may be formed.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. The thermal decomposition vapours of fluorinated polymers may cause polymer fume fever with flu-like symptoms in humans, especially when smoking contaminated tobacco.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

not hazardous

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

not hazardous

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

not hazardous

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

No information available.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

Not classified as dangerous in the meaning of transport regulations.

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002670

HSNO Classification

16. Other information

Revision Note



Version	Changes
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1.0	
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Revision Date: 2014-12-05
B12752345

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	KK700FX True Blasberry Prizm
Product code	KK700FX
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray.

IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
123-86-4	n-butyl acetate	30 - 40%	✓	
1330-20-7	xylene	20 - 30%	✓	
67-64-1	acetone	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
7783-40-6	Magnesium fluoride	1 - 3%		
78-83-1	iso-butanol	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
7429-90-5	aluminium powder (stabilized)	0.1 - 0.3%	✓	
7440-47-3	Chromium(iii)	0.1 - 0.3%		
80-62-6	methyl methacrylate	0.1 - 0.3%	✓	
97-88-1	n-butyl methacrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet Water spray

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
acetone	TWA	500 ppm
	STEL	1,000 ppm
	STEL	2,375 mg/m ³
	TWA	1,185 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
Magnesium fluoride	TWA	2.5 mg/m ³
iso-butanol	TWA	50 ppm
	TWA	152 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
aluminium powder (stabilized)	TWA	5 mg/m ³
Chromium(iii)	TWA	0.5 mg/m ³

 Chemical Name

methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: purple Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	12.8 %	
Lower explosion limit	1 %	
Vapour pressure	26.0 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.93 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

The product contains ingredients which, under certain conditions, also may release formaldehyde. If necessary, the precise concentration has to be determined. When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
acetone	Category 3
ethylbenzene	Category 3
iso-butanol	Category 2
pentyl acetate	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Chromium(iii)	Category 1
methyl methacrylate	Category 1
n-butyl methacrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Chromium(iii)	Category 2
methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
xylene	Category 3
ethylbenzene	Category 2
Chromium(iii)	Category 3
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
	B10821807

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.



End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	KK710FX Majestic Royal Prizm
Product code	KK710FX
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray.

IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
123-86-4	n-butyl acetate	30 - 40%	✓	
1330-20-7	xylene	20 - 30%	✓	
67-64-1	acetone	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
7783-40-6	Magnesium fluoride	1 - 3%		
7429-90-5	aluminium powder (stabilized)	0.3 - 1.0%	✓	
78-83-1	iso-butanol	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
7440-47-3	Chromium(iii)	0.1 - 0.3%		
80-62-6	methyl methacrylate	0.1 - 0.3%	✓	
97-88-1	n-butyl methacrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
acetone	TWA	500 ppm
	STEL	1,000 ppm
	STEL	2,375 mg/m ³
	TWA	1,185 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
Magnesium fluoride	TWA	2.5 mg/m ³
aluminium powder (stabilized)	TWA	5 mg/m ³
iso-butanol	TWA	50 ppm
	TWA	152 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
Chromium(iii)	TWA	0.5 mg/m ³

 Chemical Name

methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: blue Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	12.8 %	
Lower explosion limit	1 %	
Vapour pressure	26.5 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.93 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

The product contains ingredients which, under certain conditions, also may release formaldehyde. If necessary, the precise concentration has to be determined. When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
acetone	Category 3
ethylbenzene	Category 3
iso-butanol	Category 2
pentyl acetate	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Chromium(iii)	Category 1
methyl methacrylate	Category 1
n-butyl methacrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Chromium(iii)	Category 2
methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
xylene	Category 3
ethylbenzene	Category 2
Chromium(iii)	Category 3
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
	B12784347

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.



End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	KK720FX Pure Fire Prizm
Product code	KK720FX
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray.

IF exposed or concerned: Get medical advice/ attention.
If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
123-86-4	n-butyl acetate	30 - 40%	✓	
1330-20-7	xylene	20 - 30%	✓	
67-64-1	acetone	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
7783-40-6	Magnesium fluoride	1 - 3%		
78-83-1	iso-butanol	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
7429-90-5	aluminium powder (stabilized)	0.1 - 0.3%	✓	
7440-47-3	Chromium(iii)	0.1 - 0.3%		
80-62-6	methyl methacrylate	0.1 - 0.3%	✓	
97-88-1	n-butyl methacrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
acetone	TWA	500 ppm
	STEL	1,000 ppm
	STEL	2,375 mg/m ³
ethylbenzene	TWA	1,185 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
Magnesium fluoride	TWA	434 mg/m ³
	TWA	2.5 mg/m ³
iso-butanol	TWA	50 ppm
	TWA	152 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
aluminium powder (stabilized)	TWA	5 mg/m ³
Chromium(iii)	TWA	0.5 mg/m ³

 Chemical Name

methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: red Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	12.8 %	
Lower explosion limit	1 %	
Vapour pressure	26.2 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.93 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

The product contains ingredients which, under certain conditions, also may release formaldehyde. If necessary, the precise concentration has to be determined. When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
acetone	Category 3
ethylbenzene	Category 3
iso-butanol	Category 2
pentyl acetate	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Chromium(iii)	Category 1
methyl methacrylate	Category 1
n-butyl methacrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Chromium(iii)	Category 2
methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
xylene	Category 3
ethylbenzene	Category 2
Chromium(iii)	Category 3
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene

Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
	B12565356

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.



End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	KK740FX Perfect Jade Prizm
Product code	KK740FX
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray.

IF exposed or concerned: Get medical advice/ attention.
If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
123-86-4	n-butyl acetate	30 - 40%	✓	
1330-20-7	xylene	20 - 30%	✓	
67-64-1	acetone	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
7783-40-6	Magnesium fluoride	3 - 5%		
7429-90-5	aluminium powder (stabilized)	0.3 - 1.0%	✓	
78-83-1	iso-butanol	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
7440-47-3	Chromium(iii)	0.1 - 0.3%		
80-62-6	methyl methacrylate	0.1 - 0.3%	✓	
97-88-1	n-butyl methacrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
acetone	TWA	500 ppm
	STEL	1,000 ppm
	STEL	2,375 mg/m ³
	TWA	1,185 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
Magnesium fluoride	TWA	2.5 mg/m ³
aluminium powder (stabilized)	TWA	5 mg/m ³
iso-butanol	TWA	50 ppm
	TWA	152 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
Chromium(iii)	TWA	0.5 mg/m ³

 Chemical Name

methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: green Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	12.8 %	
Lower explosion limit	1 %	
Vapour pressure	25.8 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.94 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

The product contains ingredients which, under certain conditions, also may release formaldehyde. If necessary, the precise concentration has to be determined. When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
acetone	Category 3
ethylbenzene	Category 3
iso-butanol	Category 2
pentyl acetate	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Chromium(iii)	Category 1
methyl methacrylate	Category 1
n-butyl methacrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Chromium(iii)	Category 2
methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
xylene	Category 3
ethylbenzene	Category 2
Chromium(iii)	Category 3
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
	B10821929

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.



End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	KK760FX Absolute Purpleen Prizm
Product code	KK760FX
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray.

IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
123-86-4	n-butyl acetate	30 - 40%	✓	
1330-20-7	xylene	20 - 30%	✓	
67-64-1	acetone	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
7783-40-6	Magnesium fluoride	3 - 5%		
7429-90-5	aluminium powder (stabilized)	0.3 - 1.0%	✓	
78-83-1	iso-butanol	0.3 - 1.0%	✓	
628-63-7	pentyl acetate	0.3 - 1.0%	✓	
7440-47-3	Chromium(iii)	0.1 - 0.3%		
80-62-6	methyl methacrylate	0.1 - 0.3%	✓	
97-88-1	n-butyl methacrylate	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
acetone	TWA	500 ppm
	STEL	1,000 ppm
	STEL	2,375 mg/m ³
ethylbenzene	TWA	1,185 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
Magnesium fluoride	TWA	434 mg/m ³
	TWA	2.5 mg/m ³
aluminium powder (stabilized)	TWA	5 mg/m ³
	TWA	50 ppm
iso-butanol	TWA	50 ppm
	TWA	152 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
Chromium(iii)	TWA	0.5 mg/m ³

 Chemical Name

methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: purple Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	10 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	12.8 %	
Lower explosion limit	1 %	
Vapour pressure	25.7 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.94 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	Not applicable.	ISO 2431-1993

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

The product contains ingredients which, under certain conditions, also may release formaldehyde. If necessary, the precise concentration has to be determined. When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
acetone	Category 3
ethylbenzene	Category 3
iso-butanol	Category 2
pentyl acetate	Category 3
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Chromium(iii)	Category 1
methyl methacrylate	Category 1
n-butyl methacrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Chromium(iii)	Category 2
methyl methacrylate	Category 2
toluene	Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
xylene	Category 3
ethylbenzene	Category 2
Chromium(iii)	Category 3
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: II

Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
	B12566582

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.



End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	LE2001 LE HS Primer (White)
Product code	LE2001
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Causes mild skin irritation. May cause an allergic skin reaction. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. Collect spillage. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: Fatty acids, tall-oil, compds. with oleylamine. May produce an allergic reaction.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
1332-58-7	Kaolin	20 - 30%		
123-86-4	n-butyl acetate	10 - 20%	✓	
13463-67-7	Titanium dioxide	10 - 20%		
1330-20-7	xylene	5 - 10%	✓	
7779-90-0	trizinc bis(orthophosphate)	5 - 10%	✓	
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	3 - 5%		
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
21645-51-2	aluminium hydroxide	0.3 - 1.0%		
7631-86-9	amorphous Silica	0.3 - 1.0%		
85711-55-3	Fatty acids, tall-oil, compds. with oleylamine	0.1 - 0.3%	✓	
1314-13-2	zinc oxide	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
Kaolin	TWA	2 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
Titanium dioxide	TWA	10 mg/m ³
	TWA	50 ppm
xylene	TWA	217 mg/m ³
	TWA	10 mg/m ³
	TWA	50 ppm
trizinc bis(orthophosphate)	TWA	10 mg/m ³
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	TWA	2 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
ethylbenzene	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	25 ppm
mesitylene	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
aluminium hydroxide	TWA	2 mg/m ³
amorphous Silica	TWA	10 mg/m ³
zinc oxide	STEL	10 mg/m ³
	TWA	5 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: white Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	135 °C
Flash point	24 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	10.3 %
Lower explosion limit	0.9 %
Vapour pressure	3.5 hPa

Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.49 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	401 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	>100 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
ethylbenzene	Category 3
mesitylene	Category 3

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Fatty acids, tall-oil, compds. with oleylamine Category 1A

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
Titanium dioxide	Category 3
xylene	Category 3
trizinc bis(orthophosphate)	Category 1
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
ethylbenzene	Category 2
mesitylene	Category 2
aluminium hydroxide	Category 1
zinc oxide	Category 1

Chronic aquatic toxicity

trizinc bis(orthophosphate)	Category 1
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
aluminium hydroxide	Category 1
zinc oxide	Category 1

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: yes [trizinc bis(orthophosphate)]
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662
HSNO Classification
Skin corrosion/irritation Category 6.3B
Skin sensitisation Category 6.5B
Flammable liquids Category 3.1C
Acute aquatic toxicity Category 9.1B
Chronic aquatic toxicity Category 9.1B

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11937389

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	LE200E HS Primer Plus (Med Grey)
Product code	LE2004
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Toxic to aquatic life. Toxic to aquatic life with long lasting effects. May cause an allergic skin reaction. Causes mild skin irritation.
Precautionary statements	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Store in a well-ventilated place. Keep cool. Avoid release to the environment. Collect spillage. Avoid breathing dust/ vapours/ spray. Wear protective gloves/protective clothing/eye protection/face protection. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse.

Other hazards which do not result in classification

Contains: Fatty acids, tall-oil, compds. with oleylamine. May produce an allergic reaction.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
1332-58-7	Kaolin	20 - 30%		
123-86-4	n-butyl acetate	10 - 20%	✓	
13463-67-7	Titanium dioxide	5 - 10%		
1330-20-7	xylene	5 - 10%	✓	
7779-90-0	trizinc bis(orthophosphate)	5 - 10%	✓	
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	3 - 5%		
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
21645-51-2	aluminium hydroxide	0.3 - 1.0%		
7631-86-9	amorphous Silica	0.3 - 1.0%		
1333-86-4	carbon black	0.1 - 0.3%		
85711-55-3	Fatty acids, tall-oil, compds. with oleylamine	0.1 - 0.3%	✓	
1314-13-2	zinc oxide	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
Kaolin	TWA	2 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
Titanium dioxide	TWA	10 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
trizinc bis(orthophosphate)	TWA	10 mg/m ³
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	TWA	2 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
aluminium hydroxide	TWA	2 mg/m ³
amorphous Silica	TWA	10 mg/m ³
carbon black	TWA	3 mg/m ³
zinc oxide	STEL	10 mg/m ³
	TWA	5 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: grey Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	135 °C
Flash point	30 °C DIN 53213/ISO 1523
Evaporation rate	Slower than Ether
Flammability	

Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	3.6 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.48 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	401 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	100 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
ethylbenzene	Category 3
mesitylene	Category 3

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Fatty acids, tall-oil, compds. with oleylamine Category 1A

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
Titanium dioxide	Category 3
xylene	Category 3
trizinc bis(orthophosphate)	Category 1
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
ethylbenzene	Category 2
mesitylene	Category 2
aluminium hydroxide	Category 1
zinc oxide	Category 1

Chronic aquatic toxicity

trizinc bis(orthophosphate)	Category 1
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
aluminium hydroxide	Category 1
zinc oxide	Category 1

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT



UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: yes [trizinc bis(orthophosphate)]
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662
HSNO Classification
Skin corrosion/irritation Category 6.3B
Skin sensitisation Category 6.5B
Flammable liquids Category 3.1C
Acute aquatic toxicity Category 9.1B
Chronic aquatic toxicity Category 9.1B

16. Other information

Revision Note

Version	Changes
2.1	2

Revision Date: 2015-01-29
B11937397

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	LE2007 LE HS Primer (Black)
Product code	LE2007
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Causes mild skin irritation. May cause an allergic skin reaction. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. Collect spillage. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: Fatty acids, tall-oil, compds. with oleylamine. May produce an allergic reaction.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
1332-58-7	Kaolin	20 - 30%		
123-86-4	n-butyl acetate	10 - 20%	✓	
7727-43-7	barium sulphate, natural	5 - 10%		
1330-20-7	xylene	5 - 10%	✓	
7779-90-0	trizinc bis(orthophosphate)	5 - 10%	✓	
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	3 - 5%		
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
1333-86-4	carbon black	1 - 3%		
100-41-4	ethylbenzene	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
85711-55-3	Fatty acids, tall-oil, compds. with oleylamine	0.1 - 0.3%	✓	
1314-13-2	zinc oxide	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
Kaolin	TWA	2 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
barium sulphate, natural	TWA	10 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
trizinc bis(orthophosphate)	TWA	10 mg/m ³
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	TWA	2 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	3 mg/m ³
carbon black	TWA	3 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
ethylbenzene	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	25 ppm
	TWA	25 ppm
mesitylene	TWA	123 mg/m ³
	TWA	123 mg/m ³
	TWA	123 mg/m ³
zinc oxide	STEL	10 mg/m ³
	TWA	5 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: black Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	135 °C
Flash point	24 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	10.3 %
Lower explosion limit	0.9 %
Vapour pressure	3.3 hPa

Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.49 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	401 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	>100 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
ethylbenzene	Category 3
mesitylene	Category 3

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Fatty acids, tall-oil, compds. with oleylamine Category 1A

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
xylene	Category 3
trizinc bis(orthophosphate)	Category 1
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
ethylbenzene	Category 2
mesitylene	Category 2
zinc oxide	Category 1

Chronic aquatic toxicity

trizinc bis(orthophosphate)	Category 1
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
zinc oxide	Category 1

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: yes [trizinc bis(orthophosphate)]
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662
HSNO Classification
Skin corrosion/irritation Category 6.3B
Skin sensitisation Category 6.5B
Flammable liquids Category 3.1C
Acute aquatic toxicity Category 9.1B
Chronic aquatic toxicity Category 9.1B

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11937400

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	LE2031 Converter
Product code	LE2031
Intended use of the substance/preparation	Intermediate
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Aspiration toxicity	Category 6.1E
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May be fatal if swallowed and enters airways. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Wear protective gloves/protective clothing/eye protection/face protection.

Do NOT induce vomiting.
If eye irritation persists: Get medical advice/ attention.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
141-78-6	ethyl acetate	20 - 30%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	10 - 20%	✓	
108-10-1	4-methylpentan-2-one	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
95-63-6	1,2,4-trimethylbenzene	5 - 10%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
108-67-8	mesitylene	1 - 3%	✓	
98-82-8	cumene	0.3 - 1.0%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits
Workplace Exposure Standards (WESs) 2002

Chemical Name		
ethyl acetate	TWA	200 ppm
4-methylpentan-2-one	TWA	720 mg/m ³
	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m ³
	TWA	205 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) ®	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) ®	0.7 mm	30 min
	Nitrile rubber	0.33 mm	30 min
xylene	Viton (R) ®	0.7 mm	480 min
	Nitrile rubber	0.33 mm	30 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	77 °C
Flash point	10 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	11 %
Lower explosion limit	0.9 %
Vapour pressure	26.2 hPa
Solubility(ies)	moderate
Vapour density	no data available

Density	0.91 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

4-methylpentan-2-one	Category 4
xylene	Category 4
1,2,4-trimethylbenzene	Category 4
ethylbenzene	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

ethyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
4-methylpentan-2-one	Category 3
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 3
mesitylene	Category 3

Serious eye damage/eye irritation

ethyl acetate	Category 2A
4-methylpentan-2-one	Category 2A
xylene	Category 2A
1,2,4-trimethylbenzene	Category 2A
ethylbenzene	Category 2B
mesitylene	Category 2A
2-methoxy-1-methylethyl acetate	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 1
4-methylpentan-2-one	Category 2
xylene	Category 2
1,2,4-trimethylbenzene	Category 1
ethylbenzene	Category 2
mesitylene	Category 1
cumene	Category 1

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Packing group: II
 Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Aspiration toxicity	Category 6.1E
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B11939219

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	LE2032 Non Sanding Converter For Cromax
Product code	LE2032
Intended use of the substance/preparation	Intermediate
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are ""not classified"", ""cannot classified"" and ""not applicable"" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>May be harmful if inhaled. Highly flammable liquid and vapour. Harmful to aquatic life. Harmful to aquatic life with long lasting effects. Causes skin irritation. Causes serious eye irritation.</p>
Precautionary statements	<p>Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. If eye irritation persists: Get medical advice/ attention.</p>

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS Hazardous	Haz-
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	10 - 20%	✓	
141-78-6	ethyl acetate	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
95-63-6	1,2,4-trimethylbenzene	5 - 10%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
108-10-1	4-methylpentan-2-one	5 - 10%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
108-67-8	mesitylene	1 - 3%	✓	
98-82-8	cumene	0.3 - 1.0%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
ethyl acetate	TWA	200 ppm
xylene	TWA	720 mg/m ³
1,2,4-trimethylbenzene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m ³
4-methylpentan-2-one	TWA	25 ppm
ethylbenzene	TWA	123 mg/m ³
mesitylene	TWA	150 ppm
cumene	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m ³
	TWA	205 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) ®	0.7 mm	30 min
ethyl acetate	Nitrile rubber	0.33 mm	10 min
	Viton (R) ®	0.7 mm	480 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	77 °C	
Flash point	9 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	11 %	
Lower explosion limit	0.9 %	
Vapour pressure	24.5 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.91 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794

Decomposition temperature		<20 s	ISO 2431-1993 6 mm
Viscosity (23 °C)			

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
1,2,4-trimethylbenzene	Category 4
4-methylpentan-2-one	Category 4
ethylbenzene	Category 4

% of unknown composition 0 %

Skin corrosion/irritation

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
ethyl acetate	Category 3

xylene	Category 2
1,2,4-trimethylbenzene	Category 2
n-butyl acetate	Category 3
4-methylpentan-2-one	Category 3
ethylbenzene	Category 3
mesitylene	Category 3

Serious eye damage/eye irritation

ethyl acetate	Category 2A
xylene	Category 2A
1,2,4-trimethylbenzene	Category 2A
4-methylpentan-2-one	Category 2A
ethylbenzene	Category 2B
mesitylene	Category 2A
2-methoxy-1-methylethyl acetate	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Packing group: II
 Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: II
 Marine Pollutant: no
 EmS: F-E,S-E

**ICAO/IATA (Air transport)**

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
	B12091129

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	LI401 B 1K THINNER
Product code	LI401
Intended use of the substance/preparation	
Thinner for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute oral toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Flammable liquid and vapour. May be harmful if swallowed. Causes skin irritation. Causes serious eye damage.
Precautionary statements	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
71-36-3	n-butanol	20 - 30%	✓	
107-98-2	1-methoxy-2-propanol	20 - 30%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	20 - 30%	✓	
112-07-2	2-butoxyethyl acetate	3 - 5%	✓	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
n-butanol	CEIL	150 mg/m ³

 Chemical Name

	CEIL	50 ppm
1-methoxy-2-propanol	TWA	100 ppm
	STEL	150 ppm
	STEL	553 mg/m ³
	TWA	369 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
n-butanol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min
2-butoxyethyl acetate	Viton (R) [®]	0.7 mm	480 m
	Nitrile rubber	0.33 mm	480 m

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	117 °C	
Flash point	28 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	13.7 %	
Lower explosion limit	1.2 %	
Vapour pressure	8.6 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.89 g/cm^3	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	270 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

n-butanol	Category 4
1-methoxy-2-propanol	Category 5
2-butoxyethyl acetate	Category 4

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
n-butanol	Category 2
1-methoxy-2-propanol	Category 3

Serious eye damage/eye irritation

n-butanol	Category 1
1-methoxy-2-propanol	Category 2B
2-methoxy-1-methylethyl acetate	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute oral toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 8.3A
Flammable liquids	Category 3.1C

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2015-01-29
B12530098

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End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	LI410 Alkyd Binder
Product code	LI410
Intended use of the substance/preparation	
Coating for professional use	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling



Hazard symbols

Signal word

Warning

Hazard statements

Flammable liquid and vapour.
May be harmful if inhaled.
Causes skin irritation.
May cause an allergic skin reaction.
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.
Harmful to aquatic life.
Harmful to aquatic life with long lasting effects.

Precautionary statements

Avoid release to the environment.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Obtain special instructions before use.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Avoid breathing dust/ vapours/ spray.
 IF exposed or concerned: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: 2-butanone oxime. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
1330-20-7	xylene	20 - 30%	✓	
95-63-6	1,2,4-trimethylbenzene	5 - 10%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	5 - 10%	✓	
123-86-4	n-butyl acetate	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
108-67-8	mesitylene	1 - 3%	✓	
71-36-3	n-butanol	0.3 - 1.0%	✓	
98-82-8	cumene	0.1 - 0.3%	✓	
109-89-7	diethylamine	0.1 - 0.3%	✓	
96-29-7	2-butanone oxime	0.1 - 0.3%	✓	
108-01-0	2-dimethylaminoethanol	0.1 - 0.3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 40 - 50%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
	STEL	217 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	STEL	123 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
ethylbenzene	TWA	713 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
mesitylene	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	25 ppm
n-butanol	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
cumene	CEIL	150 mg/m ³
	CEIL	50 ppm
	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³

 Chemical Name

	TWA	125 mg/m3
diethylamine	TWA	10 ppm
	STEL	25 ppm
	STEL	75 mg/m3
	TWA	30 mg/m3
2-dimethylaminoethanol	TWA	2 ppm
	STEL	6 ppm
	STEL	22 mg/m3
	TWA	7.4 mg/m3
toluene	TWA	50 ppm
	TWA	188 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) ®	0.7 mm	30 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
n-butanol	Viton (R) ®	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to

use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: neutral Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	140 °C	
Flash point	33 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.9 %	
Vapour pressure	4.8 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.98 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	>41 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
1,2,4-trimethylbenzene	Category 4
ethylbenzene	Category 4
n-butanol	Category 5
diethylamine	Category 4
2-butanone oxime	Category 4
2-dimethylaminoethanol	Category 3
toluene	Category 5

% of unknown composition 20.3 %

Skin corrosion/irritation

xylene	Category 2
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 3
mesitylene	Category 3
n-butanol	Category 2
diethylamine	Category 1A
2-butanone oxime	Category 3
2-dimethylaminoethanol	Category 1B
toluene	Category 2

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

diethylamine	Category 1
2-butanone oxime	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

2-butanone oxime Category 2

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbition, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
n-butyl acetate	Category 3
ethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2
diethylamine	Category 3
2-butanone oxime	Category 3
2-dimethylaminoethanol	Category 3
toluene	Category 2

Chronic aquatic toxicity

1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
cumene	Category 2

% of unknown composition 20.3%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

**National regulatory information**

HSNO Approval Code	HSR002669
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Skin sensitisation	Category 6.5B
Carcinogenicity	Category 6.7B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2015-01-29
B11939381	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	LI411 Alkyd Drier
Product code	LI411
Intended use of the substance/preparation	Intermediate
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute oral toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if swallowed. Causes mild skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Obtain special instructions before use.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Avoid breathing dust/ vapours/ spray.
 Collect spillage.
 IF exposed or concerned: Get medical advice/ attention.
 If eye irritation persists: Get medical advice/ attention.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS Hazardous
64742-48-9	Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	70 - 80%	✓
59988-05-9	fatty acids, C6-19-branched, calcium salts, overbased	10 - 20%	✓
22464-99-9	octanoic acid, zirconium salt	5 - 10%	✓
136-52-7	cobalt-(II)-2-ethylhexanoate	3 - 5%	✓
110-82-7	cyclohexane	0.3 - 1.0%	✓
142-82-5	heptane (mixture of isomers)	0.3 - 1.0%	✓
110-54-3	n-hexane	0.1 - 0.3%	✓

Non-regulated ingredients 1 - 5%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
octanoic acid, zirconium salt	STEL	10 mg/m ³
	TWA	5 mg/m ³
cyclohexane	TWA	100 ppm
	STEL	300 ppm
	STEL	1,050 mg/m ³
	TWA	350 mg/m ³
heptane (mixture of isomers)	TWA	400 ppm
	STEL	500 ppm
	STEL	2,050 mg/m ³
	TWA	1,640 mg/m ³
n-hexane	TWA	20 ppm
	TWA	72 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Glove material	Glove thickness	Break through time
Nitrile rubber	0.33 mm	60 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: violet Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	180 °C	
Flash point	25 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	7 %	
Lower explosion limit	0.6 %	
Vapour pressure	4.8 hPa	
Solubility(ies)	immiscible	
Vapour density	no data available	
Density	0.87 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	355 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

fatty acids, C6-19-branched, calcium salts, overbased Category 4

Acute dermal toxicity

Not classified according to GHS criteria

Acute inhalation toxicity

Not classified according to GHS criteria

% of unknown composition 4.3 %

Skin corrosion/irritation

Naphtha (petroleum), hydrotreated heavy (<0,1% benzene)	Category 3
octanoic acid, zirconium salt	Category 2
cyclohexane	Category 2
heptane (mixture of isomers)	Category 2
n-hexane	Category 2

Serious eye damage/eye irritation

fatty acids, C6-19-branched, calcium salts, overbased	Category 2A
cobalt-(II)-2-ethylhexanoate	Category 2A
heptane (mixture of isomers)	Category 2A
n-hexane	Category 2B

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

cobalt-(II)-2-ethylhexanoate Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

octanoic acid, zirconium salt	Category 2
cobalt-(II)-2-ethylhexanoate	Category 2

n-hexane

Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

cobalt-(II)-2-ethylhexanoate	Category 1
cyclohexane	Category 1
heptane (mixture of isomers)	Category 1
n-hexane	Category 2

Chronic aquatic toxicity

cobalt-(II)-2-ethylhexanoate	Category 1
cyclohexane	Category 1
heptane (mixture of isomers)	Category 1
n-hexane	Category 2

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: yes [cobalt-(II)-2-ethylhexanoate]

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Acute oral toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

16. Other information

Revision Note

Version	Changes
1.0	



Version	Changes
Revision Date:	2015-01-29
B11797673	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	LI412 Alkyd Accelerator
Product code	LI412
Intended use of the substance/preparation	Hardener for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling



Hazard symbols

Signal word

Danger

Hazard statements

Flammable liquid and vapour.
May be harmful if inhaled.
Causes skin irritation.
Causes serious eye irritation.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
Suspected of damaging fertility or the unborn child.
Harmful to aquatic life.

Precautionary statements

Avoid release to the environment.
In case of inadequate ventilation wear respiratory protection.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Obtain special instructions before use.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Avoid breathing dust/ vapours/ spray.
 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.
 IF exposed or concerned: Get medical advice/ attention.
 If eye irritation persists: Get medical advice/ attention.
 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains isocyanates. See information supplied by the manufacturer. Contains:
 3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS Hazardous	Haz-
53880-05-0	3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers	50 - 60%	✓	
1330-20-7	xylene	20 - 30%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	10 - 20%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
4098-71-9	3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate	0.3 - 1.0%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 0.0 - 0.1%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. Skin contact may cause skin sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts), concentrated (d : 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts), water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in non-sealed container. Once this stage is reached, close container and dispose according to local regulations (see section 13).

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
xylene	TWA	50 ppm
ethylbenzene	TWA	217 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate	STEL	543 mg/m ³
	TWA	434 mg/m ³
	STEL	0.07 mg/m ³
toluene	TWA	0.02 mg/m ³
	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. Air-fed protective respiratory equipment must be worn by spray operator even when good ventilation is provided.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

For spraying: air-fed respirator. For operations other than spraying: in well ventilated areas, air-fed respirators could be replaced by a combination of charcoal filter and particulate filter mask.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	30 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	7 %	
Lower explosion limit	1 %	
Vapour pressure	3.5 hPa	
Solubility(ies)	nil	
Vapour density	no data available	
Density	1.02 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity**Stability**

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents and strongly acid or alkaline materials. Amines and alcohols cause exothermic reactions. Mixture reacts slowly with water resulting in evolution of CO₂. Evolution of CO₂ in closed containers causes overpressure and produces a risk of bursting.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen as well as hydrogen cyanide, amines, alcohols and water.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate	Category 1
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
ethylbenzene	Category 3
3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate	Category 2
toluene	Category 2

Serious eye damage/eye irritation

xylene	Category 2A
2-methoxy-1-methylethyl acetate	Category 2A
ethylbenzene	Category 2B
3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate	Category 2A
toluene	Category 2B

Respiratory sensitisation

3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate	Category 1
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Skin sensitisation

3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers	Category 1
3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Based on the properties of the isocyanate components and considering toxicological data on similar products, the following applies: This formulation may cause acute irritation and/or sensitization of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Components of the product may be absorbed into the body through the skin.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
ethylbenzene	Category 2
3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate	Category 3
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number:	1263
Hazard Class:	3
Packing group:	III
Hazchem Code:	3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number:	1263
Hazard Class:	3
Subsidiary Hazard Class:	Not applicable.
Packing group:	III
Marine Pollutant:	no
EmS:	F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL



UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2015-01-29
B11797695	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	NS2502 Non-Sanding Surfacers (Off White)
Product code	NS2502
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Causes mild skin irritation. May cause an allergic skin reaction. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. Collect spillage. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: Fatty acids, tall-oil, compds. with oleylamine. May produce an allergic reaction.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
13463-67-7	Titanium dioxide	20 - 30%		
123-86-4	n-butyl acetate	10 - 20%	✓	
1332-58-7	Kaolin	10 - 20%		
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	5 - 10%		
7779-90-0	trizinc bis(orthophosphate)	5 - 10%	✓	
1330-20-7	xylene	3 - 5%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	1 - 3%	✓	
1314-13-2	zinc oxide	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
21645-51-2	aluminium hydroxide	0.3 - 1.0%		
7631-86-9	amorphous Silica	0.3 - 1.0%		
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
71-36-3	n-butanol	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
85711-55-3	Fatty acids, tall-oil, compds. with oleylamine	0.1 - 0.3%	✓	

Non-regulated ingredients 10 - 20%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
Titanium dioxide	TWA	10 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
Kaolin	TWA	713 mg/m ³
	TWA	2 mg/m ³
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	TWA	2 mg/m ³
trizinc bis(orthophosphate)	TWA	10 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
zinc oxide	STEL	10 mg/m ³
	TWA	5 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
aluminium hydroxide	TWA	2 mg/m ³
amorphous Silica	TWA	10 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
n-butanol	TWA	434 mg/m ³
	CEIL	150 mg/m ³

 Chemical Name

	CEIL	50 ppm
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m3
	TWA	123 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) ®	0.7 mm	30 min
n-butanol	Viton (R) ®	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: grey Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	116 °C	
Flash point	24 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1.2 %	
Vapour pressure	3.3 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.62 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	85 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
n-butanol	Category 2
mesitylene	Category 3

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Fatty acids, tall-oil, compds. with oleylamine Category 1A

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

Titanium dioxide	Category 3
n-butyl acetate	Category 3
trizinc bis(orthophosphate)	Category 1
xylene	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
zinc oxide	Category 1
1,2,4-trimethylbenzene	Category 2
aluminium hydroxide	Category 1
ethylbenzene	Category 2
mesitylene	Category 2

Chronic aquatic toxicity

trizinc bis(orthophosphate)	Category 1
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
zinc oxide	Category 1
1,2,4-trimethylbenzene	Category 2
aluminium hydroxide	Category 1
mesitylene	Category 2

% of unknown composition 13.7%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: yes [trizinc bis(orthophosphate)]
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code HSR002662
 HSNO Classification
 Skin corrosion/irritation Category 6.3B
 Skin sensitisation Category 6.5B
 Flammable liquids Category 3.1C
 Acute aquatic toxicity Category 9.1B
 Chronic aquatic toxicity Category 9.1B

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
 B12208005

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	NS2506 Non-Sanding Surfacers (Dark Grey)
Product code	NS2506
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Causes mild skin irritation. May cause an allergic skin reaction. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. Collect spillage. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: Fatty acids, tall-oil, compds. with oleylamine. May produce an allergic reaction.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	10 - 20%	✓	
1332-58-7	Kaolin	10 - 20%		
13463-67-7	Titanium dioxide	10 - 20%		
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	5 - 10%		
7779-90-0	trizinc bis(orthophosphate)	5 - 10%	✓	
1330-20-7	xylene	3 - 5%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
1333-86-4	carbon black	1 - 3%		
51274-00-1	Light yellow lemon yellow oxide pigment	1 - 3%		
108-65-6	2-methoxy-1-methylethyl acetate	1 - 3%	✓	
1314-13-2	zinc oxide	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
21645-51-2	aluminium hydroxide	0.3 - 1.0%		
7631-86-9	amorphous Silica	0.3 - 1.0%		
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
71-36-3	n-butanol	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
85711-55-3	Fatty acids, tall-oil, compds. with oleylamine	0.1 - 0.3%	✓	

Non-regulated ingredients 10 - 20%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m3
	TWA	713 mg/m3
Kaolin	TWA	2 mg/m3
	TWA	10 mg/m3
Talc (Mg3H2(SiO3)4)	TWA	2 mg/m3
trizinc bis(orthophosphate)	TWA	10 mg/m3
xylene	TWA	50 ppm
	TWA	217 mg/m3
carbon black	TWA	3 mg/m3
Light yellow lemon yellow oxide pigment	TWA	1 mg/m3
zinc oxide	STEL	10 mg/m3
	TWA	5 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m3
aluminium hydroxide	TWA	2 mg/m3
amorphous Silica	TWA	10 mg/m3
ethylbenzene	TWA	100 ppm

 Chemical Name

	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
n-butanol	CEIL	150 mg/m ³
	CEIL	50 ppm
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
n-butanol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: grey Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	116 °C	
Flash point	24 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1.2 %	
Vapour pressure	3.4 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.58 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	85 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
n-butanol	Category 2
mesitylene	Category 3

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Fatty acids, tall-oil, compds. with oleylamine Category 1A

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
Titanium dioxide	Category 3
trizinc bis(orthophosphate)	Category 1
xylene	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
zinc oxide	Category 1
1,2,4-trimethylbenzene	Category 2
aluminium hydroxide	Category 1
ethylbenzene	Category 2
mesitylene	Category 2

Chronic aquatic toxicity

trizinc bis(orthophosphate)	Category 1
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
zinc oxide	Category 1
1,2,4-trimethylbenzene	Category 2
aluminium hydroxide	Category 1
mesitylene	Category 2

% of unknown composition 13.8%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: yes [trizinc bis(orthophosphate)]
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code HSR002662
 HSNO Classification
 Skin corrosion/irritation Category 6.3B
 Skin sensitisation Category 6.5B
 Flammable liquids Category 3.1C
 Acute aquatic toxicity Category 9.1B
 Chronic aquatic toxicity Category 9.1B

16. Other information

Revision Note

Version	Changes
2.2	9

Revision Date: 2015-01-29
 B12269359

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the



specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	NON SANDING PRIMER SURFACER NS2602 OFF WHITE
Product code	NS2602
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-15

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

Endpoints which are ""not classified"", ""cannot classified"" and ""not applicable"" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Toxic to aquatic life. Toxic to aquatic life with long lasting effects. May cause an allergic skin reaction. Causes skin irritation. Causes serious eye irritation.
Precautionary statements	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Store in a well-ventilated place. Keep cool. Avoid release to the environment. Collect spillage. Avoid breathing dust/ vapours/ spray. Wear protective gloves/protective clothing/eye protection/face protection.

If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 If eye irritation persists: Get medical advice/ attention.

Other hazards which do not result in classification

Contains epoxy constituents. See information supplied by the manufacturer. Contains: Fatty acids, tall-oil, compds. with oleylamine. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
13463-67-7	Titanium dioxide	20 - 30%		
123-86-4	n-butyl acetate	10 - 20%	✓	
1332-58-7	Kaolin	10 - 20%		
25068-38-6	epoxy resin (number average molecular weight 700 <= 1200)	5 - 10%	✓	
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	5 - 10%		
7779-90-0	trizinc bis(orthophosphate)	5 - 10%	✓	
1330-20-7	xylene	3 - 5%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	1 - 3%	✓	
1314-13-2	zinc oxide	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
21645-51-2	aluminium hydroxide	0.3 - 1.0%		
7631-86-9	amorphous Silica	0.3 - 1.0%		
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
71-36-3	n-butanol	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
85711-55-3	Fatty acids, tall-oil, compds. with oleylamine	0.1 - 0.3%	✓	

Non-regulated ingredients 10 - 20%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
Titanium dioxide	TWA	10 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
Kaolin	TWA	2 mg/m ³
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	TWA	2 mg/m ³
trizinc bis(orthophosphate)	TWA	10 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
zinc oxide	STEL	10 mg/m ³
	TWA	5 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
aluminium hydroxide	TWA	2 mg/m ³
amorphous Silica	TWA	10 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm

 Chemical Name

	STEL	543 mg/m ³
	TWA	434 mg/m ³
n-butanol	CEIL	150 mg/m ³
	CEIL	50 ppm
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
n-butanol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: grey Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	116 °C	
Flash point	24 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1.2 %	
Vapour pressure	3.3 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.62 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	85 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

Not classified according to GHS criteria

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 5.9 %

Skin corrosion/irritation

n-butyl acetate	Category 3
epoxy resin (number average molecular weight 700 <= 1200)	Category 2
xylene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
n-butanol	Category 2
mesitylene	Category 3

Serious eye damage/eye irritation

epoxy resin (number average molecular weight 700 <= 1200)	Category 2A
xylene	Category 2A
2-methoxy-1-methylethyl acetate	Category 2A
1,2,4-trimethylbenzene	Category 2A
ethylbenzene	Category 2B
n-butanol	Category 1
mesitylene	Category 2A
Fatty acids, tall-oil, compds. with oleylamine	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

epoxy resin (number average molecular weight 700 <= 1200)	Category 1
Fatty acids, tall-oil, compds. with oleylamine	Category 1A

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be a skin sensitiser and an irritant. Low molecular epoxy constituents are irritating to eyes, mucous membranes and skin. Repeated skin contact may lead to irritation and to sensitization, possibly with cross-sensitization to other epoxies. Avoid skin and eye contact. Avoid inhalation of vapour or mist.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

Titanium dioxide	Category 3
n-butyl acetate	Category 3
trizinc bis(orthophosphate)	Category 1
xylene	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
zinc oxide	Category 1
1,2,4-trimethylbenzene	Category 2
aluminium hydroxide	Category 1
ethylbenzene	Category 2
mesitylene	Category 2

Chronic aquatic toxicity

trizinc bis(orthophosphate)	Category 1
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
zinc oxide	Category 1
1,2,4-trimethylbenzene	Category 2
aluminium hydroxide	Category 1
mesitylene	Category 2

% of unknown composition 7.2%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: yes [trizinc bis(orthophosphate)]

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B



16. Other information

Revision Note

Version	Changes
1.1	2

Revision Date: 2015-01-15
B13134898

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	NON SANDING PRIMER SURFACER NS2607 BLACK
Product code	NS2607
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-15

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

Endpoints which are ""not classified"", ""cannot classified"" and ""not applicable"" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Toxic to aquatic life. Toxic to aquatic life with long lasting effects. May cause an allergic skin reaction. Causes skin irritation. Causes serious eye irritation.
Precautionary statements	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Store in a well-ventilated place. Keep cool. Avoid release to the environment. Collect spillage. Avoid breathing dust/ vapours/ spray. Wear protective gloves/protective clothing/eye protection/face protection.

If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 If eye irritation persists: Get medical advice/ attention.

Other hazards which do not result in classification

Contains epoxy constituents. See information supplied by the manufacturer. Contains: Fatty acids, tall-oil, compds. with oleylamine. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
7727-43-7	barium sulphate, natural	20 - 30%		
123-86-4	n-butyl acetate	10 - 20%	✓	
25068-38-6	epoxy resin (number average molecular weight 700 <= 1200)	5 - 10%	✓	
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	5 - 10%		
1332-58-7	Kaolin	5 - 10%		
7779-90-0	trizinc bis(orthophosphate)	5 - 10%	✓	
1330-20-7	xylene	3 - 5%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
1333-86-4	carbon black	1 - 3%		
108-65-6	2-methoxy-1-methylethyl acetate	1 - 3%	✓	
13463-67-7	Titanium dioxide	1 - 3%		
1314-13-2	zinc oxide	1 - 3%	✓	
95-63-6	1,2,4-trimethylbenzene	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
71-36-3	n-butanol	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
7631-86-9	amorphous Silica	0.1 - 0.3%		
85711-55-3	Fatty acids, tall-oil, compds. with oleylamine	0.1 - 0.3%	✓	

Non-regulated ingredients 10 - 20%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
barium sulphate, natural	TWA	10 mg/m3
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m3
	TWA	713 mg/m3
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	TWA	2 mg/m3
Kaolin	TWA	2 mg/m3
trizinc bis(orthophosphate)	TWA	10 mg/m3
xylene	TWA	50 ppm
	TWA	217 mg/m3
carbon black	TWA	3 mg/m3
Titanium dioxide	TWA	10 mg/m3
zinc oxide	STEL	10 mg/m3
	TWA	5 mg/m3
1,2,4-trimethylbenzene	TWA	25 ppm

Chemical Name		
	TWA	123 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
n-butanol	CEIL	150 mg/m ³
	CEIL	50 ppm
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
amorphous Silica	TWA	10 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
n-butanol	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may

occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: black Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	116 °C	
Flash point	24 °C	DIN 53213/ISO 1523
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1.2 %	
Vapour pressure	3.4 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.64 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	85 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

Not classified according to GHS criteria

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 5.9 %

Skin corrosion/irritation

n-butyl acetate	Category 3
epoxy resin (number average molecular weight 700 <= 1200)	Category 2
xylene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 3
n-butanol	Category 2
mesitylene	Category 3

Serious eye damage/eye irritation

epoxy resin (number average molecular weight 700 <= 1200)	Category 2A
xylene	Category 2A
2-methoxy-1-methylethyl acetate	Category 2A
1,2,4-trimethylbenzene	Category 2A
ethylbenzene	Category 2B
n-butanol	Category 1
mesitylene	Category 2A
Fatty acids, tall-oil, compds. with oleylamine	Category 1

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

epoxy resin (number average molecular weight 700 <= 1200)	Category 1
Fatty acids, tall-oil, compds. with oleylamine	Category 1A

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be a skin sensitiser and an irritant. Low molecular epoxy constituents are irritating to eyes, mucous membranes and skin. Repeated skin contact may lead to irritation and to sensitization, possibly with cross-sensitization to other epoxies. Avoid skin and eye contact. Avoid inhalation of vapour or mist.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
trizinc bis(orthophosphate)	Category 1
xylene	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
Titanium dioxide	Category 3
zinc oxide	Category 1
1,2,4-trimethylbenzene	Category 2
ethylbenzene	Category 2
mesitylene	Category 2

Chronic aquatic toxicity

trizinc bis(orthophosphate)	Category 1
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
zinc oxide	Category 1
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2

% of unknown composition 7.2%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: yes [trizinc bis(orthophosphate)]

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

16. Other information

Revision Note

Version	Changes
1.1	2

Revision Date: 2015-01-15
B13100390

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	PS1900 Transparent Sealer
Product code	PS1900
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Causes mild skin irritation. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Collect spillage. Get medical advice/ attention if you feel unwell. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

May produce an allergic reaction.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
7727-43-7	barium sulphate, natural	40 - 50%		
123-86-4	n-butyl acetate	10 - 20%	✓	
7779-90-0	trizinc bis(orthophosphate)	5 - 10%	✓	
14808-60-7	Quartz (SiO ₂)	3 - 5%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
64-19-7	acetic acid	0.1 - 0.3%	✓	
1314-13-2	zinc oxide	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause

respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. If this product is mixed with an isocyanate, skin contact may cause sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
barium sulphate, natural	TWA	10 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
trizinc bis(orthophosphate)	TWA	10 mg/m ³
Quartz (SiO ₂)	TWA	0.2 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
acetic acid	TWA	10 ppm
	STEL	15 ppm
	STEL	37 mg/m ³
	TWA	25 mg/m ³
zinc oxide	STEL	10 mg/m ³
	TWA	5 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
	Nitrile rubber	0.33 mm	30 min
xylene	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: transparent Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	149 °C
Flash point	24 °C
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	10.3 %
Lower explosion limit	0.9 %
Vapour pressure	2.8 hPa

Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.58 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	68 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If this product mixed with an isocyanate activator/hardener (see MSDS for the activator), the following health effects may apply: Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 15 %

Skin corrosion/irritation

n-butyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
xylene	Category 2
mesitylene	Category 3
ethylbenzene	Category 3
acetic acid	Category 1A

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

- **Skin Absorption**

Central nervous system 1,2,4-trimethylbenzene

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbition, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
trizinc bis(orthophosphate)	Category 1
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
xylene	Category 3
mesitylene	Category 2
ethylbenzene	Category 2
zinc oxide	Category 1

Chronic aquatic toxicity

trizinc bis(orthophosphate)	Category 1
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
zinc oxide	Category 1

% of unknown composition 15%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3



Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: yes [trizinc bis(orthophosphate)]
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
Target Organ Systemic Toxicant - Repeated exposure	Category 6.9B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1B
Chronic aquatic toxicity	Category 9.1B

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B12978500

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	XB155 MS Basecoat LM
Product code	XB155
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. IF exposed or concerned: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention.

Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
1330-20-7	xylene	30 - 40%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	10 - 20%	✓	
108-83-8	2,6-dimethylheptan-4-one	5 - 10%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
624-41-9	2-methylbutyl acetate	1 - 3%	✓	
78-83-1	iso-butanol	1 - 3%	✓	
628-63-7	pentyl acetate	1 - 3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
xylene	TWA	50 ppm
n-butyl acetate	TWA	217 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
2,6-dimethylheptan-4-one	STEL	950 mg/m ³
	TWA	713 mg/m ³
	TWA	25 ppm
ethylbenzene	TWA	145 mg/m ³
iso-butanol	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
pentyl acetate	TWA	434 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) ^(R)	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: milky Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	33 °C	DIN 53213/ISO 1523
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.8 %	
Vapour pressure	6.1 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.92 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	73 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

The product contains ingredients which, under certain conditions, also may release formaldehyde. If necessary, the precise concentration has to be determined. When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
toluene	Category 5

% of unknown composition 1.3 %

Skin corrosion/irritation

xylene	Category 2
n-butyl acetate	Category 3
2,6-dimethylheptan-4-one	Category 3
ethylbenzene	Category 3
2-methylbutyl acetate	Category 3
iso-butanol	Category 2
pentyl acetate	Category 3
toluene	Category 2

Serious eye damage/eye irritation

xylene	Category 2A
2-methoxy-1-methylethyl acetate	Category 2A
2,6-dimethylheptan-4-one	Category 2A
ethylbenzene	Category 2B
iso-butanol	Category 1
pentyl acetate	Category 2A
toluene	Category 2B

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
n-butyl acetate	Category 3
ethylbenzene	Category 2
toluene	Category 2

Ecotoxic to terrestrial invertebrates

xylene Category 9.4C

% of unknown composition 6.7%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Ecotoxic to terrestrial invertebrates	Category 9.4C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11934758

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	XB155LE VERY LOW EMISSION BINDER
Product code	XB155LE
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	NZ Poisons Information Centre Ph: 0800 764 766 24-hour Medical Emergency: 0800 111 174 Transport Emergency: +(64)-98010034
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2014-06-19

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433

Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1B
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	Highly flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed.

Obtain special instructions before use.
Wear protective gloves/protective clothing/eye protection/face protection.
IF exposed or concerned: Get medical advice/ attention.
If eye irritation persists: Get medical advice/ attention.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz-ardous
98-56-6	4-chloro-a,a,a-trifluorotoluene	20 - 30%	✓	
616-38-6	Dimethyl carbonate	20 - 30%	✓	
1330-20-7	xylene	20 - 30%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
123-86-4	n-butyl acetate	3 - 5%	✓	
78-83-1	iso-butanol	1 - 3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area. During baking at temperatures above 400°C, small amounts of hydrogen fluoride can be evolved; these amounts increase as temperatures. Hydrogen fluoride vapours are very toxic and cause skin and eye irritation. Above 430°C an explosive reaction may occur if finely divided fluorocarbon comes into contact with metal powder (aluminium or magnesium). Operations such as grinding, buffing or grit blasting may generate such mixtures. Avoid any dust buildup with fluorocarbons and metal mixtures.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits Workplace Exposure Standards (WESs) 2002

Chemical Name		
4-chloro-a,a,a-trifluorotoluene	TWA	2.5 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
n-butyl acetate	TWA	434 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
iso-butanol	TWA	713 mg/m ³
	TWA	50 ppm
	TWA	152 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: milky Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	9 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	12.8 %	
Lower explosion limit	0.9 %	
Vapour pressure	20.6 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.05 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

The product contains ingredients which, under certain conditions, also may release formaldehyde. If necessary, the precise concentration has to be determined. In the event of fire Carbon monoxide, fluorinated hydrocarbons, hydrogen fluoride, nitrogen oxides may be formed.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. The thermal decomposition vapours of fluorinated polymers may cause polymer fume fever with flu-like symptoms in humans, especially when smoking contaminated tobacco.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
toluene	Category 5

% of unknown composition 0 %

Skin corrosion/irritation

xylene	Category 2
ethylbenzene	Category 3
n-butyl acetate	Category 3
iso-butanol	Category 2
toluene	Category 2

Serious eye damage/eye irritation

xylene	Category 2A
ethylbenzene	Category 2B
iso-butanol	Category 1
toluene	Category 2B

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbition, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

xylene	Category 3
ethylbenzene	Category 2
n-butyl acetate	Category 3
toluene	Category 2

Chronic aquatic toxicity

4-chloro-a,a,a-trifluorotoluene Category 3

% of unknown composition 3.6%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Packing group: II
 Hazchem Code: 3YE

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: II
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: II

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Control A	This product must be under the control of an approved handler during use.
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	



Version	Changes
Revision Date: B13144883	2014-06-19

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	XB165 MS Basecoat HM
Product code	XB165
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if inhaled. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. IF exposed or concerned: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention.

Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
123-86-4	n-butyl acetate	30 - 40%	✓	
1330-20-7	xylene	20 - 30%	✓	
100-41-4	ethylbenzene	5 - 10%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	5 - 10%	✓	
624-41-9	2-methylbutyl acetate	1 - 3%	✓	
78-83-1	iso-butanol	1 - 3%	✓	
628-63-7	pentyl acetate	1 - 3%	✓	
108-88-3	toluene	0.1 - 0.3%	✓	

Non-regulated ingredients 20 - 30%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
iso-butanol	TWA	50 ppm
	TWA	152 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
toluene	TWA	50 ppm
	TWA	188 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: milky Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	135 °C	
Flash point	30 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	8.4 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.93 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	66 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

The product contains ingredients which, under certain conditions, also may release formaldehyde. If necessary, the precise concentration has to be determined. When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

xylene	Category 4
ethylbenzene	Category 4
toluene	Category 5

% of unknown composition 1.5 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
ethylbenzene	Category 3
2-methylbutyl acetate	Category 3
iso-butanol	Category 2
pentyl acetate	Category 3
toluene	Category 2

Serious eye damage/eye irritation

xylene	Category 2A
ethylbenzene	Category 2B
2-methoxy-1-methylethyl acetate	Category 2A
iso-butanol	Category 1
pentyl acetate	Category 2A
toluene	Category 2B

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

toluene Category 2

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
xylene	Category 3
ethylbenzene	Category 2
toluene	Category 2

% of unknown composition 3%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Toxicity for reproduction	Category 6.8B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
 B11934780



The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	XB383 Mid Temp Thinner
Product code	XB383
Intended use of the substance/preparation	Thinner for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Aspiration toxicity	Category 6.1E
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>May be harmful if inhaled. May be fatal if swallowed and enters airways. Flammable liquid and vapour. Harmful to aquatic life. Toxic to aquatic life with long lasting effects. Causes skin irritation. Causes serious eye irritation.</p>
Precautionary statements	<p>IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Do NOT induce vomiting. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Store in a well-ventilated place. Keep cool.</p>

Avoid release to the environment.
 Collect spillage.
 Wear protective gloves/protective clothing/eye protection/face protection.
 If eye irritation persists: Get medical advice/ attention.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
108-10-1	4-methylpentan-2-one	20 - 30%	✓	
95-63-6	1,2,4-trimethylbenzene	10 - 20%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	10 - 20%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
628-63-7	pentyl acetate	5 - 10%	✓	
624-41-9	2-methylbutyl acetate	3 - 5%	✓	
108-67-8	mesitylene	1 - 3%	✓	
103-65-1	n-propylbenzene	1 - 3%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
98-82-8	cumene	0.3 - 1.0%	✓	

Non-regulated ingredients 0.0 - 0.1%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection**National occupational exposure limits****Workplace Exposure Standards (WESs) 2002**

Chemical Name		
4-methylpentan-2-one	TWA	50 ppm
	STEL	75 ppm
	STEL	307 mg/m ³
	TWA	205 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
pentyl acetate	TWA	100 ppm
	TWA	532 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
cumene	TWA	25 ppm
	STEL	75 ppm
	STEL	375 mg/m ³
	TWA	125 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) ®	0.7 mm	30 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties

Appearance

Form : liquid Colour: clear Odour: Characteristic Solvent Odor Odor Threshold : no data available

pH	not applicable
Freezing point	Not applicable.
Boiling point	114 °C
Flash point	24 °C DIN 53213/ISO 1523
Evaporation rate	Slower than Ether
Flammability	
Upper explosion limit	7.6 %
Lower explosion limit	0.9 %
Vapour pressure	11.5 hPa

Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.85 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	360 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

4-methylpentan-2-one	Category 4
1,2,4-trimethylbenzene	Category 4
xylene	Category 4
ethylbenzene	Category 4

% of unknown composition 3.5 %

Skin corrosion/irritation

4-methylpentan-2-one	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
n-butyl acetate	Category 3
xylene	Category 2
pentyl acetate	Category 3
2-methylbutyl acetate	Category 3
mesitylene	Category 3
n-propylbenzene	Category 3
ethylbenzene	Category 3

Serious eye damage/eye irritation

4-methylpentan-2-one	Category 2A
1,2,4-trimethylbenzene	Category 2A
xylene	Category 2A
pentyl acetate	Category 2A
mesitylene	Category 2A
ethylbenzene	Category 2B

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

4-methylpentan-2-one	Category 2
1,2,4-trimethylbenzene	Category 1
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 1
xylene	Category 2
mesitylene	Category 1
n-propylbenzene	Category 1
ethylbenzene	Category 2
cumene	Category 1

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
n-butyl acetate	Category 3
xylene	Category 3
mesitylene	Category 2
n-propylbenzene	Category 2
ethylbenzene	Category 2
cumene	Category 2

Chronic aquatic toxicity

1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
pentyl acetate	Category 4
mesitylene	Category 2
n-propylbenzene	Category 2
cumene	Category 2

% of unknown composition 3.5%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: yes [solvent naphtha (petroleum), light arom. (<0,1% benzene)]
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Acute inhalation toxicity	Category 6.1E
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Aspiration toxicity	Category 6.1E
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1B

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
	B11817237

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	XB387 Thinner (Slow)
Product code	XB387
Intended use of the substance/preparation	Thinner for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3A
Aspiration toxicity	Category 6.1E
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>May be fatal if swallowed and enters airways. Flammable liquid and vapour. Harmful to aquatic life. Harmful to aquatic life with long lasting effects. Causes skin irritation.</p>
Precautionary statements	<p>IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Do NOT induce vomiting. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Store in a well-ventilated place. Keep cool. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.</p>

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
110-19-0	isobutyl acetate	20 - 30%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	10 - 20%	✓	
108-83-8	2,6-dimethylheptan-4-one	10 - 20%	✓	
763-69-9	ethyl 3-ethoxypropionate	10 - 20%	✓	
95-63-6	1,2,4-trimethylbenzene	5 - 10%	✓	
1330-20-7	xylene	5 - 10%	✓	
108-67-8	mesitylene	1 - 3%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
98-82-8	cumene	0.3 - 1.0%	✓	
78-83-1	iso-butanol	0.1 - 0.3%	✓	
123-86-4	n-butyl acetate	0.0 - 0.1%	✓	

Non-regulated ingredients 1 - 5%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits Workplace Exposure Standards (WESs) 2002

Chemical Name		
isobutyl acetate	TWA	150 ppm
	TWA	713 mg/m ³
2,6-dimethylheptan-4-one	TWA	25 ppm
	TWA	145 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
ethylbenzene	TWA	123 mg/m ³
	TWA	123 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
cumene	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	25 ppm
	STEL	75 ppm
iso-butanol	STEL	375 mg/m ³
	TWA	125 mg/m ³
	TWA	50 ppm
n-butyl acetate	TWA	152 mg/m ³
	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) ®	0.7 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) ®	0.7 mm	480 min
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odour: Characteristic Solvent Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	117 °C	
Flash point	34 °C	DIN 53213/ISO 1523
Evapouration rate	Slower than Ether	
Flammability		
Upper explosion limit	10.5 %	
Lower explosion limit	0.8 %	
Vapour pressure	7.5 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	0.87 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	345 °C	DIN 51794
Decomposition temperature		

Viscosity (23 °C)

| <20 s

ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

isobutyl acetate	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
2,6-dimethylheptan-4-one	Category 3
ethyl 3-ethoxypropionate	Category 3
1,2,4-trimethylbenzene	Category 2
xylene	Category 2
mesitylene	Category 3
ethylbenzene	Category 3
iso-butanol	Category 2
n-butyl acetate	Category 3

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

isobutyl acetate	Category 1
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 1
2,6-dimethylheptan-4-one	Category 2
1,2,4-trimethylbenzene	Category 1
xylene	Category 2
mesitylene	Category 1
ethylbenzene	Category 2
cumene	Category 1
iso-butanol	Category 1

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

isobutyl acetate	Category 3
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
ethyl 3-ethoxypropionate	Category 3
1,2,4-trimethylbenzene	Category 2
xylene	Category 3
mesitylene	Category 2

ethylbenzene	Category 2
cumene	Category 2
n-butyl acetate	Category 3

Chronic aquatic toxicity

solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
1,2,4-trimethylbenzene	Category 2
mesitylene	Category 2
cumene	Category 2

% of unknown composition 3.6%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3

Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662
HSNO Classification
Skin corrosion/irritation Category 6.3A
Aspiration toxicity Category 6.1E
Flammable liquids Category 3.1C
Acute aquatic toxicity Category 9.1C
Chronic aquatic toxicity Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B11934944

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	XB-47606 Jet Black Basecoat
Product code	XB-47606
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Harmful to aquatic life.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. If eye irritation persists: Get medical advice/ attention. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: methyl methacrylate; n-butyl methacrylate. May produce an allergic reaction.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	10 - 20%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	10 - 20%	✓	
1330-20-7	xylene	10 - 20%	✓	
108-83-8	2,6-dimethylheptan-4-one	5 - 10%	✓	
100-41-4	ethylbenzene	3 - 5%	✓	
624-41-9	2-methylbutyl acetate	1 - 3%	✓	
1333-86-4	carbon black	1 - 3%		
628-63-7	pentyl acetate	1 - 3%	✓	
78-83-1	iso-butanol	0.3 - 1.0%	✓	
80-62-6	methyl methacrylate	0.3 - 1.0%	✓	
97-88-1	n-butyl methacrylate	0.1 - 0.3%	✓	

Non-regulated ingredients 30 - 40%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits Workplace Exposure Standards (WESs) 2002

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
xylene	TWA	713 mg/m ³
	TWA	50 ppm
	TWA	217 mg/m ³
2,6-dimethylheptan-4-one	TWA	25 ppm
	TWA	145 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
carbon black	TWA	434 mg/m ³
	TWA	3 mg/m ³
	TWA	100 ppm
pentyl acetate	TWA	532 mg/m ³
	TWA	50 ppm
iso-butanol	TWA	152 mg/m ³
	TWA	50 ppm
	TWA	152 mg/m ³
methyl methacrylate	TWA	50 ppm
	STEL	100 ppm
	STEL	416 mg/m ³
	TWA	208 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: black Odor Threshold : no data available

pH	No data available.	
Freezing point	Not applicable.	
Boiling point	125 °C	
Flash point	24 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	0.8 %	
Vapour pressure	5.2 hPa	
Solubility(ies)	appreciable	
Vapour density	no data available	
Density	0.97 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	26 s	ISO 2431-1993 6 mm

10. Stability and reactivity**Stability**

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

The product contains ingredients which, under certain conditions, also may release formaldehyde. If necessary, the precise concentration has to be determined. When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 1.4 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
2,6-dimethylheptan-4-one	Category 3
ethylbenzene	Category 3
2-methylbutyl acetate	Category 3
pentyl acetate	Category 3
iso-butanol	Category 2
methyl methacrylate	Category 2
n-butyl methacrylate	Category 2

Serious eye damage/eye irritation

2-methoxy-1-methylethyl acetate	Category 2A
xylene	Category 2A
2,6-dimethylheptan-4-one	Category 2A

ethylbenzene	Category 2B
pentyl acetate	Category 2A
iso-butanol	Category 1
n-butyl methacrylate	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

methyl methacrylate	Category 1
n-butyl methacrylate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
xylene	Category 3
ethylbenzene	Category 2
methyl methacrylate	Category 3
n-butyl methacrylate	Category 3

% of unknown composition 5%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Skin corrosion/irritation	Category 6.3A
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-15
B11934460

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	XK203 LE Activator (Fast)
Product code	XK203
Intended use of the substance/preparation	Hardener for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Flammable liquid and vapour. Causes mild skin irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.</p>
Precautionary statements	<p>Avoid release to the environment. In case of inadequate ventilation wear respiratory protection. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.</p>

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains isocyanates. See information supplied by the manufacturer. Contains: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate; hexamethylene-di-isocyanate; methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
28182-81-2	Hexamethylene diisocyanate, oligomers	50 - 60%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
53880-05-0	3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers	10 - 20%	✓	
1330-20-7	xylene	5 - 10%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
822-06-0	hexamethylene-di-isocyanate	0.1 - 0.3%	✓	
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0.1 - 0.3%	✓	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. Skin contact may cause skin sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts), concentrated (d : 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts), water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in non-sealed container. Once this stage is reached, close container and dispose according to local regulations (see section 13).

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
Hexamethylene diisocyanate, oligomers	STEL	0.07 mg/m ³
	TWA	0.02 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
xylene	TWA	713 mg/m ³
	TWA	50 ppm
	TWA	217 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	100 ppm
ethylbenzene	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
hexamethylene-di-isocyanate	STEL	0.07 mg/m ³

Chemical Name

TWA 0.02 mg/m3

Engineering measures

Provide adequate ventilation. Air-fed protective respiratory equipment must be worn by spray operator even when good ventilation is provided.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

For spraying: air-fed respirator. For operations other than spraying: in well ventilated areas, air-fed respirators could be replaced by a combination of charcoal filter and particulate filter mask.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odor Threshold : no data available

pH

not applicable

Freezing point	Not applicable.	
Boiling point	104 °C	
Flash point	24 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	3.4 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.06 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents and strongly acid or alkaline materials. Amines and alcohols cause exothermic reactions. Mixture reacts slowly with water resulting in evolution of CO₂. Evolution of CO₂ in closed containers causes overpressure and produces a risk of bursting.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen as well as hydrogen cyanide, amines, alcohols and water.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
ethylbenzene	Category 3
mesitylene	Category 3
hexamethylene-di-isocyanate	Category 1C

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Hexamethylene diisocyanate, oligomers	Category 1
hexamethylene-di-isocyanate	Category 1

Skin sensitisation

Hexamethylene diisocyanate, oligomers	Category 1
3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers	Category 1
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
hexamethylene-di-isocyanate	Category 1
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Based on the properties of the isocyanate components and considering toxicological data on similar products, the following applies: This formulation may cause acute irritation and/or sensitization of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse

health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Components of the product may be absorbed into the body through the skin.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
ethylbenzene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
mesitylene	Category 2
hexamethylene-di-isocyanate	Category 3
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

Chronic aquatic toxicity

1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
mesitylene	Category 2
hexamethylene-di-isocyanate	Category 3
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662

HSNO Classification

Skin corrosion/irritation Category 6.3B

Respiratory sensitisation Category 6.5A

Skin sensitisation Category 6.5B

Flammable liquids Category 3.1C

Acute aquatic toxicity Category 9.1C

Chronic aquatic toxicity Category 9.1C

16. Other information

Revision Note

Version	Changes
2.1	9

Revision Date: 2015-01-29

B12821905

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	XK205 LE Activator
Product code	XK205
Intended use of the substance/preparation	Hardener for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Flammable liquid and vapour. Causes mild skin irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.</p>
Precautionary statements	<p>Avoid release to the environment. In case of inadequate ventilation wear respiratory protection. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.</p>

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
 If skin irritation or rash occurs: Get medical advice/ attention.
 Wash contaminated clothing before reuse.
 Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains isocyanates. See information supplied by the manufacturer. Contains: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate; hexamethylene-di-isocyanate; methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
28182-81-2	Hexamethylene diisocyanate, oligomers	70 - 80%	✓	
123-86-4	n-butyl acetate	10 - 20%	✓	
1330-20-7	xylene	5 - 10%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
100-41-4	ethylbenzene	1 - 3%	✓	
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) seba- cate	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
822-06-0	hexamethylene-di-isocyanate	0.1 - 0.3%	✓	
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl se- bacate	0.1 - 0.3%	✓	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. Skin contact may cause skin sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts), concentrated (d : 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts), water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in non-sealed container. Once this stage is reached, close container and dispose according to local regulations (see section 13).

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
Hexamethylene diisocyanate, oligomers	STEL	0.07 mg/m ³
	TWA	0.02 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
xylene	TWA	713 mg/m ³
	TWA	50 ppm
1,2,4-trimethylbenzene	TWA	217 mg/m ³
	TWA	25 ppm
ethylbenzene	TWA	123 mg/m ³
	TWA	100 ppm
	STEL	125 ppm
mesitylene	STEL	543 mg/m ³
	TWA	434 mg/m ³
	TWA	25 ppm
	TWA	25 ppm
hexamethylene-di-isocyanate	TWA	123 mg/m ³
	TWA	123 mg/m ³
	STEL	0.07 mg/m ³

Chemical Name

TWA 0.02 mg/m3

Engineering measures

Provide adequate ventilation. Air-fed protective respiratory equipment must be worn by spray operator even when good ventilation is provided.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

For spraying: air-fed respirator. For operations other than spraying: in well ventilated areas, air-fed respirators could be replaced by a combination of charcoal filter and particulate filter mask.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odor Threshold : no data available

pH

not applicable

Freezing point	Not applicable.	
Boiling point	104 °C	
Flash point	24 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	3.3 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	1.06 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents and strongly acid or alkaline materials. Amines and alcohols cause exothermic reactions. Mixture reacts slowly with water resulting in evolution of CO₂. Evolution of CO₂ in closed containers causes overpressure and produces a risk of bursting.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen as well as hydrogen cyanide, amines, alcohols and water.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
xylene	Category 2
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
ethylbenzene	Category 3
mesitylene	Category 3
hexamethylene-di-isocyanate	Category 1C

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Hexamethylene diisocyanate, oligomers	Category 1
hexamethylene-di-isocyanate	Category 1

Skin sensitisation

Hexamethylene diisocyanate, oligomers	Category 1
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
hexamethylene-di-isocyanate	Category 1
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Based on the properties of the isocyanate components and considering toxicological data on similar products, the following applies: This formulation may cause acute irritation and/or sensitization of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous

system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Components of the product may be absorbed into the body through the skin.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
xylene	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
ethylbenzene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
mesitylene	Category 2
hexamethylene-di-isocyanate	Category 3
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

Chronic aquatic toxicity

1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
mesitylene	Category 2
hexamethylene-di-isocyanate	Category 3
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.



14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1C
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

16. Other information

Revision Note

Version	Changes
2.1	9

Revision Date: 2015-01-29
 B12821910

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	XK206 LE Activator (Slow)
Product code	XK206
Intended use of the substance/preparation	Hardener for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Respiratory sensitisation	Category 6.5A
Skin sensitisation	Category 6.5B
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Danger
Hazard statements	<p>Flammable liquid and vapour. Causes mild skin irritation. May cause an allergic skin reaction. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Harmful to aquatic life with long lasting effects.</p>
Precautionary statements	<p>Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid breathing dust/ vapours/ spray. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If skin irritation or rash occurs: Get medical advice/ attention.</p>

If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains isocyanates. See information supplied by the manufacturer. Contains: hexamethylene-di-isocyanate. May produce an allergic reaction.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS	Haz- ardous
28182-81-2	Hexamethylene diisocyanate, oligomers	70 - 80%	✓	
112-07-2	2-butoxyethyl acetate	5 - 10%	✓	
763-69-9	ethyl 3-ethoxypropionate	5 - 10%	✓	
108-65-6	2-methoxy-1-methylethyl acetate	5 - 10%	✓	
123-86-4	n-butyl acetate	3 - 5%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
108-67-8	mesitylene	0.1 - 0.3%	✓	
822-06-0	hexamethylene-di-isocyanate	0.1 - 0.3%	✓	

Non-regulated ingredients 0.1 - 1.0%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. Skin contact may cause skin sensitization.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Avoid heating above flash point. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts), concentrated (d : 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts), water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in non-sealed container. Once this stage is reached, close container and dispose according to local regulations (see section 13).

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage

Suitable storage conditions

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits

Workplace Exposure Standards (WESs) 2002

Chemical Name		
Hexamethylene diisocyanate, oligomers	STEL	0.07 mg/m ³
	TWA	0.02 mg/m ³
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
1,2,4-trimethylbenzene	TWA	713 mg/m ³
	TWA	25 ppm
	TWA	123 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
mesitylene	TWA	434 mg/m ³
	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
hexamethylene-di-isocyanate	TWA	123 mg/m ³
	STEL	0.07 mg/m ³

Chemical Name

TWA 0.02 mg/m3

Engineering measures

Provide adequate ventilation. Air-fed protective respiratory equipment must be worn by spray operator even when good ventilation is provided.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

For spraying: air-fed respirator. For operations other than spraying: in well ventilated areas, air-fed respirators could be replaced by a combination of charcoal filter and particulate filter mask.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
2-butoxyethyl acetate	Viton (R) [®]	0.7 mm	480 m
	Nitrile rubber	0.33 mm	480 m
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
xylene	Nitrile rubber	0.33 mm	30 min
	Viton (R) [®]	0.7 mm	480 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	104 °C	
Flash point	54 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	7 %	
Lower explosion limit	1 %	
Vapour pressure	1.4 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.08 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	272 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents and strongly acid or alkaline materials. Amines and alcohols cause exothermic reactions. Mixture reacts slowly with water resulting in evolution of CO₂. Evolution of CO₂ in closed containers causes overpressure and produces a risk of bursting.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen as well as hydrogen cyanide, amines, alcohols and water.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function, which may be permanent. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

ethyl 3-ethoxypropionate	Category 3
n-butyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
xylene	Category 2
ethylbenzene	Category 3
mesitylene	Category 3
hexamethylene-di-isocyanate	Category 1C

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Hexamethylene diisocyanate, oligomers	Category 1
hexamethylene-di-isocyanate	Category 1

Skin sensitisation

Hexamethylene diisocyanate, oligomers	Category 1
hexamethylene-di-isocyanate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Based on the properties of the isocyanate components and considering toxicological data on similar products, the following applies: This formulation may cause acute irritation and/or sensitization of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Components of the product may be absorbed into the body through the skin.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Chronic aquatic toxicity

1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
hexamethylene-di-isocyanate	Category 3

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: no
EmS: F-E,S-E**ICAO/IATA (Air transport)**

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III**Matters needing attention for transportation**

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory informationHSNO Approval Code HSR002662
HSNO Classification
Skin corrosion/irritation Category 6.3B
Respiratory sensitisation Category 6.5A
Skin sensitisation Category 6.5B
Flammable liquids Category 3.1C
Chronic aquatic toxicity Category 9.1C

16. Other information

Revision Note

Version	Changes
1.0	

Revision Date: 2014-12-05
B11971703

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	ZK135 Binder
Product code	ZK135
Intended use of the substance/preparation	
Dispersion used in coating manufacturing (for professional use)	
Supplier	
Street address	Axalta Coating Systems Australia Pty Limited 15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	
Street/Box	Resene Automotive & Light Industrial 4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification

Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Causes mild skin irritation. Causes serious eye irritation. May cause an allergic skin reaction.
Precautionary statements	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. If eye irritation persists: Get medical advice/ attention. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate; methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	20 - 30%	✓	
110-12-3	5-methylhexan-2-one	10 - 20%	✓	
64-19-7	acetic acid	0.3 - 1.0%	✓	
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	0.3 - 1.0%	✓	
112-34-5	2-(2-butoxyethoxy)ethanol	0.3 - 1.0%	✓	
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0.1 - 0.3%	✓	

Non-regulated ingredients 60 - 70%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Avoid heating above flash point. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

**National occupational exposure limits
Workplace Exposure Standards (WESs) 2002**

Chemical Name			
n-butyl acetate	TWA	150 ppm	
	STEL	200 ppm	
	STEL	950 mg/m ³	
	TWA	713 mg/m ³	
5-methylhexan-2-one	TWA	50 ppm	
	TWA	234 mg/m ³	
acetic acid	TWA	10 ppm	
	STEL	15 ppm	
	STEL	37 mg/m ³	
	TWA	25 mg/m ³	

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) ®	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatrill® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	144 °C	
Flash point	46 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1 %	
Vapour pressure	4.0 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.05 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	415 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	28 s	ISO 2431-1993 6 mm

10. Stability and reactivity**Stability**

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
5-methylhexan-2-one	Category 3
acetic acid	Category 1A
2-(2-butoxyethoxy)ethanol	Category 3

Serious eye damage/eye irritation

5-methylhexan-2-one	Category 2A
acetic acid	Category 1
2-(2-butoxyethoxy)ethanol	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged

contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Packing group: III

Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

Marine Pollutant: no

EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263

Hazard Class: 3

Subsidiary Hazard Class: Not applicable.

Packing group: III

**Matters needing attention for transportation**

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code	HSR002662
HSNO Classification	
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Skin sensitisation	Category 6.5B
Flammable liquids	Category 3.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-13
B11934264

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	ZK335 Additive
Product code	ZK335
Intended use of the substance/preparation Thinner for professional use	
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute oral toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1D
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if swallowed. Harmful if inhaled. Causes mild skin irritation. Causes serious eye irritation.
Precautionary statements	Wear eye protection/ face protection. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid breathing dust/ vapours/ spray. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. If eye irritation persists: Get medical advice/ attention. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS Hazardous	Haz-
110-12-3	5-methylhexan-2-one	70 - 80%	✓	
108-83-8	2,6-dimethylheptan-4-one	10 - 20%	✓	

Non-regulated ingredients 5 - 10%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Avoid heating above flash point. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
5-methylhexan-2-one	TWA	50 ppm
	TWA	234 mg/m ³
2,6-dimethylheptan-4-one	TWA	25 ppm
	TWA	145 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Glove material	Glove thickness	Break through time
Nitrile rubber	0.33 mm	60 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	144 °C	
Flash point	49 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	8.2 %	
Lower explosion limit	0.8 %	
Vapour pressure	4.5 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.82 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	345 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

5-methylhexan-2-one	Category 5
2,6-dimethylheptan-4-one	Category 4

Acute dermal toxicity

Not classified according to GHS criteria

Acute inhalation toxicity

5-methylhexan-2-one	Category 4
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% of unknown composition 0 %

Skin corrosion/irritation

5-methylhexan-2-one	Category 3
2,6-dimethylheptan-4-one	Category 3

Serious eye damage/eye irritation

5-methylhexan-2-one	Category 2A
2,6-dimethylheptan-4-one	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Acute oral toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1D
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Flammable liquids	Category 3.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
B11934273	



The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	ZU138 Imron® 7035 P.U. Binder
Product code	ZU138
Intended use of the substance/preparation	Coating for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Skin corrosion/irritation	Category 6.3B
Skin sensitisation	Category 6.5B
Acute aquatic toxicity	Category 9.1C
Chronic aquatic toxicity	Category 9.1C

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. Causes mild skin irritation. May cause an allergic skin reaction. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Avoid release to the environment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/ vapours/ spray. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

Contains: bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate; methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction.

3. Composition/information on ingredients**Pure substance/mixture**

Mixture

CAS-No.	Chemical Name	Concentration	GHS ardous	Haz-
123-86-4	n-butyl acetate	10 - 20%	✓	
110-12-3	5-methylhexan-2-one	3 - 5%	✓	
95-63-6	1,2,4-trimethylbenzene	1 - 3%	✓	
64742-95-6	solvent naphtha (petroleum), light arom. (<0,1% benzene)	1 - 3%	✓	
763-69-9	ethyl 3-ethoxypropionate	1 - 3%	✓	
1330-20-7	xylene	1 - 3%	✓	
108-67-8	mesitylene	0.3 - 1.0%	✓	
64-19-7	acetic acid	0.3 - 1.0%	✓	
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	0.3 - 1.0%	✓	
112-34-5	2-(2-butoxyethoxy)ethanol	0.3 - 1.0%	✓	
100-41-4	ethylbenzene	0.3 - 1.0%	✓	
107-98-2	1-methoxy-2-propanol	0.3 - 1.0%	✓	
688-84-6	2-ethylhexyl methacrylate	0.1 - 0.3%	✓	
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0.1 - 0.3%	✓	

Non-regulated ingredients 60 - 70%

4. First aid measures**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Avoid heating above flash point. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Handling

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
n-butyl acetate	TWA	150 ppm
	STEL	200 ppm
	STEL	950 mg/m ³
	TWA	713 mg/m ³
5-methylhexan-2-one	TWA	50 ppm
	TWA	234 mg/m ³
1,2,4-trimethylbenzene	TWA	25 ppm
	TWA	123 mg/m ³
xylene	TWA	50 ppm
	TWA	217 mg/m ³
mesitylene	TWA	25 ppm
	TWA	25 ppm
	TWA	123 mg/m ³
	TWA	123 mg/m ³
acetic acid	TWA	10 ppm
	STEL	15 ppm
	STEL	37 mg/m ³
	TWA	25 mg/m ³
ethylbenzene	TWA	100 ppm
	STEL	125 ppm
	STEL	543 mg/m ³
	TWA	434 mg/m ³
1-methoxy-2-propanol	TWA	100 ppm
	STEL	150 ppm
	STEL	553 mg/m ³

Chemical Name

TWA 369 mg/m3

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical Name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) [®]	0.7 mm	10 min
	Nitrile rubber	0.33 mm	30 min
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Viton (R) [®]	0.7 mm	30 min
	Nitrile rubber	0.33 mm	30 min
xylene	Viton (R) [®]	0.7 mm	480 min
	Nitrile rubber	0.33 mm	30 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril[®] glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odour: Characteristic Paint Odor Odor Threshold : no data available

pH

not applicable

Freezing point	Not applicable.	
Boiling point	126 °C	
Flash point	41 °C	DIN 53213/ISO 1523
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	10.3 %	
Lower explosion limit	1.2 %	
Vapour pressure	3.6 hPa	
Solubility(ies)	moderate	
Vapour density	no data available	
Density	1.01 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	377 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	33 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure

Inhalation

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Acute oral toxicity

not hazardous

Acute dermal toxicity

not hazardous

Acute inhalation toxicity

not hazardous

% of unknown composition 0 %

Skin corrosion/irritation

n-butyl acetate	Category 3
5-methylhexan-2-one	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 3
ethyl 3-ethoxypropionate	Category 3
xylene	Category 2
mesitylene	Category 3
acetic acid	Category 1A
2-(2-butoxyethoxy)ethanol	Category 3
ethylbenzene	Category 3
1-methoxy-2-propanol	Category 3
2-ethylhexyl methacrylate	Category 3

Serious eye damage/eye irritation

Not classified according to GHS criteria

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
2-ethylhexyl methacrylate	Category 1
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product contains environmentally hazardous substances and product is not classified per GHS.

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Acute aquatic toxicity

n-butyl acetate	Category 3
1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
ethyl 3-ethoxypropionate	Category 3
xylene	Category 3
mesitylene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
ethylbenzene	Category 2
2-ethylhexyl methacrylate	Category 2
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

Chronic aquatic toxicity

1,2,4-trimethylbenzene	Category 2
solvent naphtha (petroleum), light arom. (<0,1% benzene)	Category 2
mesitylene	Category 2
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Category 1
2-ethylhexyl methacrylate	Category 3
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Category 1

% of unknown composition 0%

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information

NZS5433

Proper shipping name: PAINT

UN number: 1263

Hazard Class: 3

Packing group: III
Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III
Marine Pollutant: no
EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT

UN number: 1263
Hazard Class: 3
Subsidiary Hazard Class: Not applicable.
Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information

National regulatory information

HSNO Approval Code HSR002662
HSNO Classification
Skin corrosion/irritation Category 6.3B
Skin sensitisation Category 6.5B
Flammable liquids Category 3.1C
Acute aquatic toxicity Category 9.1C
Chronic aquatic toxicity Category 9.1C

16. Other information

Revision Note

Version	Changes
2.0	9

Revision Date: 2015-01-29
B11936632

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

End of Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name	ZU338 Imron® 7035 Additive
Product code	ZU338
Intended use of the substance/preparation	Thinner for professional use
Supplier	Axalta Coating Systems Australia Pty Limited
Street address	15 - 23 Melbourne Road, Riverstone NSW 2765, Australia
Telephone	
Telefax	
Emergency Information	
Emergency telephone number	+(64) 9801 0034 NZ Poisons Information Centre: 0800 764 766 or +(64) 3 479 7248
Importer	Resene Automotive & Light Industrial
Street/Box	4 Te Apunga Place, Mt Wellington, Auckland, NZ
Nat.-Code/Postal code/City	
Telephone	+64 (09) 259 2738
Date of preparation	2015-01-29

2. Hazards identification


Classified as a Dangerous Good according to NZS 5433
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001

HSNO Classification

Flammable liquids	Category 3.1C
Acute oral toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1D
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown

GHS-Labeling

Hazard symbols	
Signal word	Warning
Hazard statements	Flammable liquid and vapour. May be harmful if swallowed. Harmful if inhaled. Causes mild skin irritation. Causes serious eye irritation.
Precautionary statements	Wear eye protection/ face protection. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid breathing dust/ vapours/ spray. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. If eye irritation persists: Get medical advice/ attention. Store in a well-ventilated place. Keep cool.

Other hazards which do not result in classification

None known.

3. Composition/information on ingredients

Pure substance/mixture

Mixture

CAS-No.	Chemical Name	Concentration	GHS Hazardous	Haz-
110-12-3	5-methylhexan-2-one	70 - 80%	✓	
108-83-8	2,6-dimethylheptan-4-one	10 - 20%	✓	

Non-regulated ingredients 5 - 10%

4. First aid measures

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Keep at rest.

Most Important Symptoms/effects, acute and delayed**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Notes to physician

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

5. Firefighting measures

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO₂), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

Specific hazards

The product is not flammable. Avoid heating above flash point. Do not allow run-off from fire fighting to enter drains or water courses. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions

Keep in a well-ventilated place. Keep away from sources of ignition. Comply with safety directives (see chapters 7 and 8). Do not inhale vapours.

Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

Methods for cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

7. Handling and storage

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

Storage**Suitable storage conditions**

Observe label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Suitable container and packaging materials for safe storage

Always keep in containers made of the same material as the supply container.

8. Exposure controls/personal protection

National occupational exposure limits**Workplace Exposure Standards (WESs) 2002**

Chemical Name		
5-methylhexan-2-one	TWA	50 ppm
	TWA	234 mg/m ³
2,6-dimethylheptan-4-one	TWA	25 ppm
	TWA	145 mg/m ³

Engineering measures

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye protection

Wear protective eyewear for protection against solvent spatter.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Glove material	Glove thickness	Break through time
Nitrile rubber	0.33 mm	60 min

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

9. Physical and chemical properties**Appearance**

Form : liquid Colour: clear Odor Threshold : no data available

pH	not applicable	
Freezing point	Not applicable.	
Boiling point	144 °C	
Flash point	49 °C	
Evaporation rate	Slower than Ether	
Flammability		
Upper explosion limit	8.2 %	
Lower explosion limit	0.8 %	
Vapour pressure	4.5 hPa	
Solubility(ies)	partly miscible	
Vapour density	no data available	
Density	0.82 g/cm ³	DIN 53217/ISO 2811
Partition coefficient: n-octanol/water	no data available	
Ignition temperature	345 °C	DIN 51794
Decomposition temperature		
Viscosity (23 °C)	<20 s	ISO 2431-1993 6 mm

10. Stability and reactivity

Stability

Stable

Hazardous polymerisation

Will not occur.

Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Information on likely routes of exposure**Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ingestion

May result in gastrointestinal distress.

Skin or eye contact

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Delayed and immediate effects and also chronic effects from short and long term exposure:**Acute oral toxicity**

5-methylhexan-2-one	Category 5
2,6-dimethylheptan-4-one	Category 4

Acute dermal toxicity

Not classified according to GHS criteria

Acute inhalation toxicity

5-methylhexan-2-one	Category 4
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% of unknown composition 0 %

Skin corrosion/irritation

5-methylhexan-2-one	Category 3
2,6-dimethylheptan-4-one	Category 3

Serious eye damage/eye irritation

5-methylhexan-2-one	Category 2A
2,6-dimethylheptan-4-one	Category 2A

Respiratory sensitisation

Not classified according to GHS criteria

Skin sensitisation

Not classified according to GHS criteria

Germ cell mutagenicity

Not classified according to GHS criteria

Carcinogenicity

Not classified according to GHS criteria

Toxicity for reproduction

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Single exposure

Not classified according to GHS criteria

Target Organ Systemic Toxicant - Repeated exposure

Not classified according to GHS criteria

Aspiration toxicity

Not classified according to GHS criteria

Numerical measures of toxicity (acute toxicity estimation (ATE),etc.)

No information available.

Symptoms related to the physical, chemical and toxicological characteristics

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorbtion, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

12. Ecological information

Product does not contain any environmentally hazardous substances and product is not classified per GHS

Ecotoxicity effects

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations.

Disposal considerations

A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

14. Transport information**NZS5433**

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Packing group: III
 Hazchem Code: 3Y

IMDG (Sea transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III
 Marine Pollutant: no
 EmS: F-E,S-E

ICAO/IATA (Air transport)

Proper shipping name: PAINT RELATED MATERIAL

UN number: 1263
 Hazard Class: 3
 Subsidiary Hazard Class: Not applicable.
 Packing group: III

Matters needing attention for transportation

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

15. Regulatory information**National regulatory information**

HSNO Approval Code	HSR002662
HSNO Classification	
Acute oral toxicity	Category 6.1E
Acute inhalation toxicity	Category 6.1D
Skin corrosion/irritation	Category 6.3B
Serious eye damage/eye irritation	Category 6.4A
Flammable liquids	Category 3.1C

16. Other information

Revision Note

Version	Changes
1.0	
Revision Date:	2014-12-05
B11934273	



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End of Safety Data Sheet